

## Developer takes over at Fulham

SHAW Associates will be drawing up plans for a residential development at Fulham Football Club following the announcement that the club has been sold to developer Marler Estates for £9 million.

Director Chris Shaw, whose firm is also involved in the redevelopment of Chelsea's ground at Stamford Bridge — also owned by Marler Estates — said the Fulham scheme "will incorporate a football ground".

"But the site is dramatically different from Chelsea and it is impossible to say at this stage how big the housing development will be."

He said Shaw Associates would be working closely with Hammersmith council "to iron out any difficulties with the site".

## Bath plan cold water

CONSERVATIONISTS in Bath have attacked the city council's plan for development up to 1994.

The Bath Preservation Trust believes policies proposed will threaten the future of Bath. Changes it wants include stricter supervision of planning applications in the conservation area to give "a good idea of the materials, design and landscaping".

## Foster's win

FOSTER Associates have won the R S Reynolds Award for distinguished architecture using aluminium for an unprecedented third time, for the new Hongkong Bank headquarters.

## RA success

THE Royal Academy summer exhibition has attracted the highest architectural entry since 1939 — 420 designs have been submitted against 277 last year.

## Housing reports fail to satisfy DoE's critics

THREE reports highlighting the success of the DoE's Urban Programme have failed to satisfy critics, who have pointed to disturbing examples of serious neglect of Britain's housing.

Adding more fuel to the fire, a report for the BBC by Rending University's Joint Centre for Land Development shows Britain now has the worst urban decline in Europe.

Liverpool, Sunderland, Glasgow and Belfast are the worst examples of "urban decline syndrome", while London has slipped from 9th to 29th in the league. Income, unemployment, migration, and business and tourist travel were all factors that were considered.

A report by the Building Employers' Confederation (BEC) says that unless the Government is prepared to recognise the need for a steadily expanding programme to improve Britain's building stock "there could be a major housing crisis in Britain well before the end of the century".

"The BEC's report, *Neglected Britain*, identifies three areas — schools, housing and hospitals — that need urgent repair."

## ... signing off...



A BASK SCHEME WITH (FRONT) THE BEE SIGNING

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# RIBA under attack over delays in nuclear study

THE RIBA inquiry into the effects of nuclear war on the built environment has still not started — more than three years after its inception — and appears to be dying from official neglect.

The inquiry, which has been dogged by controversy, was finally awarded £5,000 backing last November, after a group led by Richard Rogers opposed plans to axe funding.

But six months later, RIBA top brass have yet to appoint a chairman.

An RIBA spokeswoman said a senior institute member had

three times calling for funding. Ironically, another initiative by Brown may help to save the report.

His ethics charter, which went before the Council on Wednesday, states nuclear power and weapons represent a threat to civilisation. Discussion on the charter could help bring the report back to the fore.

But six months later, RIBA top brass have yet to appoint a chairman.

An RIBA spokeswoman said a senior institute member had

By John Wood

turned down the job, and it was still seeking extra funding. Kate Macintosh, chairman of Architects for Peace, which backed the report, condemned the lack of progress.

"It says little for a supposedly democratic organisation that despite all the affirmations (for the report), still nothing is happening," she said.

The report was originally suggested during a RIBA debate on nuclear shelters in April 1983, and at a council meeting that July it was backed by Macintosh and fellow-councillor Jake Brown.

Originally modelled on a British Medical Association effort, the inquiry "strived" to a £500 pilot study chaired by Owen Luder.

In the following two years the group went to the RIBA Council

## Conference line-up named

FULL details of speakers for the RIBA conference have now been revealed.

The three-day event on the theme of cities will be opened by environment secretary Kenneth Baker on July 10.

On July 11, Rob Krier will lead off with "The Theory of Cities", followed by Ken Livingstone on "Politics and Finance in Cities".

In the afternoon, architects

including James Gowen, Rem Koolhaas and Kevin Rowbotham will discuss "Architecture in Cities".

On July 12 there will either be tours to the new Lloyd's building and the Queen Elizabeth Conference Centre designed by Powell, Moya & Partners, or a guided tour of London's 1930s cinemas and a special visit to the exhibition at the Heinz Gallery, "London: Images from the

Modern City".

Delegates can also see new Arts Council films, Architecture of Frank Lloyd Wright and "A Wall to Wall". The conference fee, which covers attendance sessions.

More details, including formation on how to apply, the RIBA/Building Industry Trust free places, are available from the RIBA Events Office.



The problems of rebuilding the Parthenon out of 10,000 cw tyres in Edinburgh's West Princes St Gardens left sculptor David Mach tired man last weekend. Lack of helpers and the ministrations of fire control officers did not help. The addition of chain link fencing and floodlights at the hottest of the local outbursts was taken fairly pugnatically by Mach, who is perhaps best known for his notorious tyre sculpture of an assassin on the South Bank in London, the subject of an arson attack. The former Dundee College of Art student sculpture made from 30m high windmills in Dundee, next major commission. The recreated Parthenon is part of an architectural exhibition organised as part of Edinburgh City Council's "Spring Fling" celebrations. (Photo: Stuart Baxter)

## Go private or risk your jobs'

A GROUP of architects have asked for workload guarantees and more details of a financial package being offered to them to go private or risk redundancy.

North West Thames Regional Health Authority has offered to architects, surveyors and engineers in setting up their own practice so they can compete with the private sector for hospital contracts.

But the 110 building staff in the authority — who only design 20 per cent of the area's £40 million hospital building programme — are wary of the proposal.

The authority has come up with the scheme as part of its plan to streamline its design and building services department in response to a government circular on health service efficiency issued last year.

Staff have been offered three options:

- reform their separate architectural, engineers, and surveyors' divisions into smaller multidisciplinary groups with the loss of 32 staff;

- accept redundancies and allow their work to go out to private practices;

- accept help from the region to set up their own practices.

Both of the latter options would mean staff losses of up to 82 posts, leaving only a small group of 30 to manage contracts, advise the districts and supervise the work of consultant firms.

The RIBA said it had "serious doubts" about any advantages to the privatisation scheme: "We believe the work of in-house professional teams is essential to the efficient handling of NHS buildings."

Already the Government has embarked on a policy of "untying" existing maintenance arrangements, whereby the PSA carries out all this sort of work.

But Tory MP Tim Rathbone has called for more fundamental action, following a Parliamentary question about the agency's performance.

He said new environment secretary Nicholas Ridley should undertake a "rigorous review" of the agency. He told *BD* that the PSA was "perhaps not very well equipped to carry

out large scale works speedily and efficiently".

An initiative set up three years ago to try to tighten up the running of the PSA was described as "unsuccessful" by a PSA spokesman.

And John Lynch, who resigned at the end of last year as PSA director of architectural services, said he believed the agency needed to be more "client dedicated".

"It is difficult for a large organisation to be run efficiently," he said. Lynch also questioned the motivation and dedication of subcontractors hired by the PSA, and said inflexibility of budgets was another problem.

Criticism of the PSA's performance comes as it awaits the publication of the Director of Public Prosecutions' report next month on fraud in the agency, the conclusion of a three-year police investigation.

But besides lack of confidence in the PSA's management of projects, museums and galleries want to have more accountable cost and quality control.

The V&A, for example, has a £26 million urgent repairs and modernisation bill.

The British Museum, which is expected to lead the way in being "united" from the PSA, said a major concern was that "we have no direct control over the chaps with the hammers and chisels, many of whom are recruited by the day and need supervision by our own security staff".

He told the NFHA that he was not prepared to take up their *Inquiry into British Housing* advice that mortgage tax relief should be ended.

Commitment to less public investment and more private investment in housing was backed up by Ridley's update on the work of the controversial Urban Housing Renewal Unit.

## Critics say agency can't cope

## PRESSURE GROWING FOR PSA SHAKE-UP

THE backlog of vital maintenance and repair work for major public buildings is increasing pressure for reorganisation of the Government's Property Services Agency.

Critics say it is too remote from the needs of its client bodies, for example major museums, and that as a result it is not cost-effective.

And pressure for change has grown as a result of a recent

series of disasters in PSA-controlled buildings.

These include the fire at Hampton Court, a flood and serious water leak at the Victoria & Albert Museum, and flooding at the British Museum.

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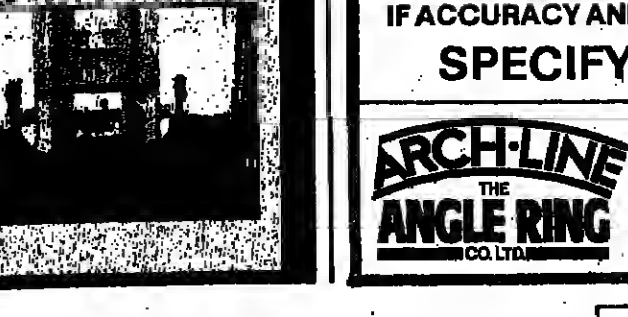
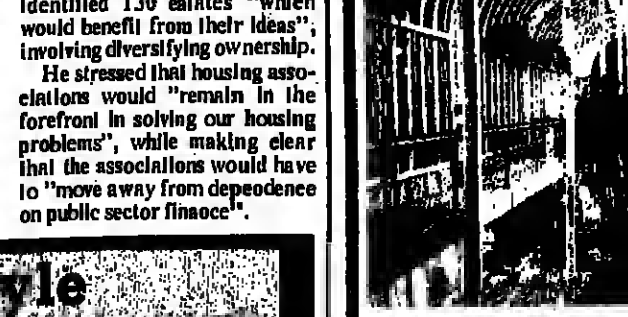
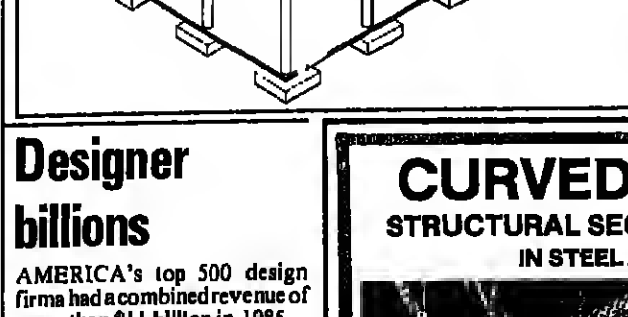
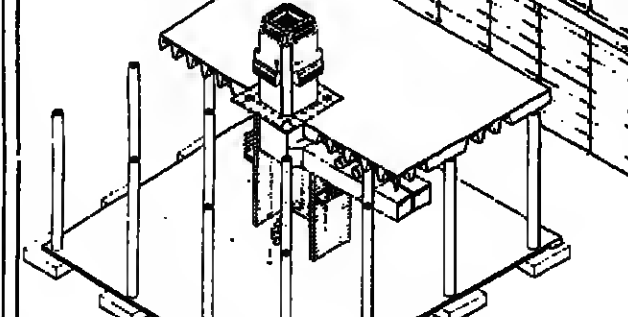
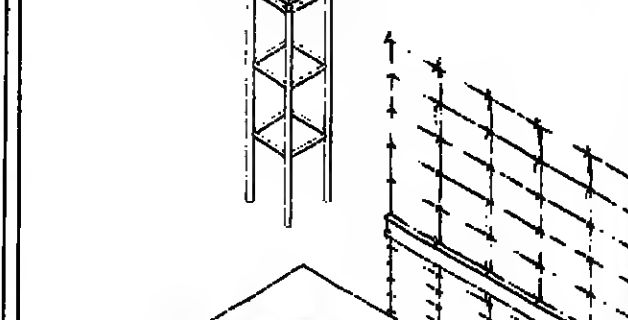
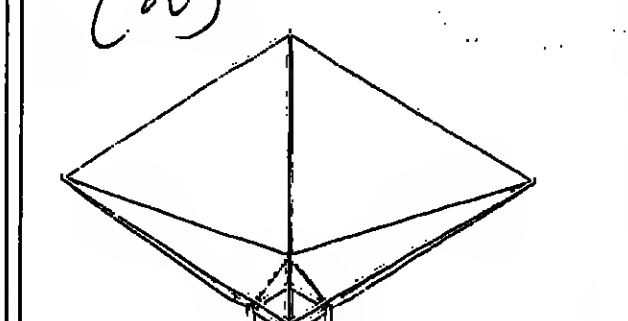
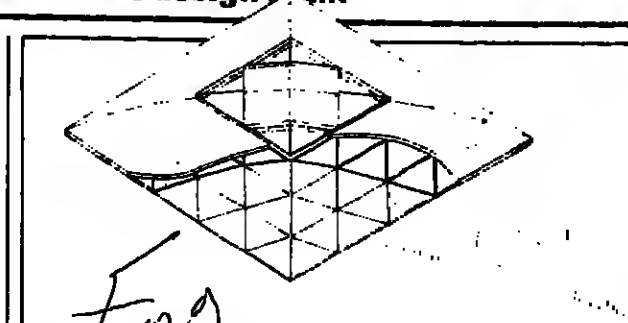
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## Stansted designs unveiled

Plans for the expansion of London's third airport have reached the final hurdle.

The British Airports Authority has applied to Uttlesford District Council for detailed planning consent for the Foster Associates designed terminal at Stansted, Essex. The picture shows the relationship of the structure to the undercroft, essential services, roof and cladding.

With an annual capacity of 7.8 million passengers, the terminal represents around half the cost of an eight-year £290 million expansion plan.

If planning permission is obtained, building will begin later this year with opening scheduled for late 1990.

In addition to the terminal, 10 per cent of the new will be allocated to landscaping including the planting of 250,000 trees and shrubs.

All public facilities are provided on a single concourse floor with arrival and departure zones side by side, while transport planning is helped by an undercroft, to incorporate a proposed British Rail station. There are no engineering services at roof level, permitting a simple form free from mechanical plant housings or equipment.

Simplicity is a keynote of the terminal design, which reduces walking distances for passengers and keeps routes largely linear.

More pictures page 10

## Postal problems?

Some readers are reporting occasional problems of late delivery of *BD*. If this affects you, please help us identify areas of difficulty by completing the reply-paid card between pages 12 and 13.

## Designer billions

AMERICA's top 500 design firms had a combined revenue of more than \$11 billion in 1985.

According to the magazine *Engineering News-Record*, engineer-architects took 52 per cent and architect-engineers 11.

Pure architects took just 4 per cent. The highest placed architect was in 51st position.

## Ridley shows his new colours

NEW environment secretary Nicholas Ridley chose the RIBA as the venue for the first major speech in his new job this week.

But addressing the National Federation of Housing Associations' conference, he gave warning that he could be a tougher minister for the public housing lobby to deal with than Kenneth Baker.

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## Suburban style



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THE annual exhibition of architecture as part of the Royal Academy's summer show is one of those ill-fated events which work.

This year's selectors have admitted the difficulty in discriminating between "good drawings of a rather rotten building" and "bad drawings of good pieces of architecture". At least that suggests a confidence that they know the difference. One of them, Leonard Mansueth, emphasises the value of showing representations of works of architecture which will attract the general public, so justifying the inclusion of all sorts of fanciful projects, competition entries and even student schemes which may well confuse the layman into thinking that more than a small proportion of the buildings illustrated will actually be built.

Drawings, of course, are seductive and models even more so; most elaborate presentations can be very successful firms who can employ expensive artists and from the much less propensities who have the time to do the work themselves. Whatever the motive, more architects find the expenditure of resources worthwhile. This year 420 entered and 150 are shown, the

David Pearce reviews that annual curate's egg, the architecture show at the Royal Academy Summer Exhibition.

## Playing to the gallery

latter figure just exceeding the total entry two years ago. Seeking immediate generalisations about the 1986 show one can recognise growing design confidence in amazingly disparate design styles; a greatly reduced number of projects abroad (one small scheme, a sports pavilion in Saudi Arabia, and one large one, a gruesome hotel for the USSR of all places), a resurgence of drawing as such — and often in gaudy pencil and/or ink — and many of the more exquisite being apparently the work of students or graduates from abroad; and the triumph of the medium over the message by the inclusion of

many drawings, and even editions of prints, for sale. Some of these would appear to have been done specifically for the show and for the advertisement, and even income, which it offers.

In common with the Academy in general, the architectural room is fascinating because, rather than despite, its catholicity of taste; it is a unique annual exposure of what is happening in and on the minds, drawing boards and sites of many of those responsible for what buildings are going to look like in the immediate future. Many distinguished practitioners take the opportunity to publicise their work, knowing quite well that it might be apparently out-shone by an imaginative drawing by a third-year student lung next to it. So here is a chance to take the temperature of British architecture in 1986, as practised by the knight and the student, the one-man practice and the 100-man firm, the high-technician and the Classical revivalist.

First the increased confidence: the *mea culpa* days of "where were you when they built the high-rise housing, Daddy?" are over at last. Dogma has been abandoned along with the guilt. "Context" is the key word, each building a one-off contribution to a particular place. Quality is sought, and often achieved in finishes and materials, all the more easily after the abandonment of belief in repetition and prefabrication. Traditional materials are used, often traditionally. Such approaches do not rule out ornament, though there is little to be seen here. Indeed, there are few flights of the wilder forms of post-modernism. In these respects the RA is as old-fashioned as one would imagine in a show selected by a team of middle-aged Modernists.

That may, however, not be the reason why neoclassicism as such has gained no more ground. Quinlan Terry is as usual represented by a large drawing of quite a small building, but the expected army of colorists has not turned up. His "New Howard Building" for Downing College, Cambridge, is a witty late 17th-century essay with a very mannered doocase and odd little cupolas (ventilators?) at each end of the pitched roof, proving what wickedness Classicalists can get away with once they get their basic proportions right. Other Classical drawings are mostly fanciful

little numbers for sale, most shameless among them being Robert Adam's Tower of the Orders which, like many of the more striking pictures here, is more impressive in general impact than in detail. The Roman town in the foreground is drawn with Adam's usual bravado, however, and one could forgive almost anything of someone who has the nerve to people his streets (apart from himself — prominently) with men of various periods in appropriate costume and one woman, naked apart from some leaves in her hair; 100 prints are available at £39 each!

Other historical exhibits include several beautiful measured drawings, notably of St Andrew's church at Alfriston by Jeremy Whitman and Robert Pearce. There is also a delicate and imaginative "Greenwich Waterfront 1790" by Vaughan Hart. The first is not for sale and the second effectively so, at £5,000. Historic repairs are best represented by Donald Insall's office, a superb coloured, cut-away axonometric by Ailwyn Best as usual — this year Wren's library at Trinity College, Cambridge. Such a drawing is in the best tradition, not only beautiful



"Tower of the Orders", by Robert Adam of the Winchester Design Partnership, depicts an imaginary street leading to a classical tower. All the buildings have been designed specially for the drawing and include a variety of examples of the use of a brick in a contemporary Classical manner. The tower contains a crowd of people representing Classical architects from the present back to the ancient world and this is intended to demonstrate the continuity of Classicism from antiquity to the present day. The Tower of the Orders represents the ancient Mead of Classical architects in view and a motto from Vitruvius is included in the left hand panel which is truth, order, is included in the foreground. An allegorical figure of Adam is represented discussing the terracotta fern leaf designs which appear on all the brick buildings with the ceramic artist, David Birch, and a harr's Sir Edwin Lutyens lighting a pipe in the centre, John Belcher and Sir Aston Somers.

but useful. It explains the building and its construction to the client, builder, user and future scholars. Then there are the competitions for old sites and their improvement, such as that for the memorial gardens in Clerkenwell, for which Wigglesworth, Butler & Till have entered a real tour de force in terms of explanatory views.

Competitions figure large in the exhibition as a whole. Outstanding among the disappointments being the winners of Land Securities' Grand Buildings fare, where an indifferent building in stone is to be replaced by a replica in fake stone. Siddell Gibson's drawing, surely a product of photography, is very fine and so, apparently, is their planning. Having seen some of the alternatives here one has just a little sympathy for the assessors.

That is not so in the case of the equally unhappy National Gallery exercise. Venturi is going to have to be very good to improve upon Colquhoun & Miller's lovely abstracted Classicism, which promised to be both authoritative and reticent. Another front-runner, Jeremy Dixon, does not show his NG



Arup Associates' abandoned design for the BBC in Edinburgh form a centrepiece of the architecture gallery.

entry and is representative of his style. Dudgeon's stepped gables and old-fashioned windows, while life of me, and much as I find it difficult to like them, I find it difficult to like them. Another competition, for a riverside development in York, is represented by a delightful little model by Ronov & Thornton-Davies, unlike that by the Carpenter & Seales. A storey, partly sloping, with very solid looking and high pitched "scout" looking roofs, looking like a scout box. Such a thing of historic quality is unique in this year's display.

I have left the most recent till last, namely the single drawings, to adopt the dichotomy. Well, a few, Colquhoun & Miller, being in both categories. Mark Taylor's CI show-model in fact) and perhaps assured designs, some by the John Curran vein, by Alsop, if I knew what they of. Much the same goes for exhibition buildings by the Design Group. There is a fantasy nar mystery about Leslie Martin's Gullbank Centre of Modern Art in London, just the sure architectural of one who has come shown that less is more touching to see Sir Lix exhibiting a diploma which marks his election as an Academician at this stage of career. John Partridge's Wingston Court House also marks a good building.

Among stunning drawings the choice is rich — which is that I am particularly grateful James Cribb & Partners entering their hotel at Ubbestun, which is hardly both a drawing and as a building cannot but be impressed by several colourful and subtle perspectives with subtle and plans incorporated in a hyped-up and manner. These are by Green, Lloyd Adams — of Somerset House and of Barclays Bank, Hendon Street. More modern, but equally exuberant, is a drawing of Knappe Kontonogov of the Ronald's design for Jackson Lane community centre. There is also a huge scheme by Edmund Loo for St Enoch's Interchange, Glasgow.

But for my taste the best drawings were the most restrained, quiet, careful, and textural representations of a Homun Loh's section through "A Museum" and David Wiggins' interior perspective of Riek Mather's University of East Anglia building. The first appears to be in pencil, the second in ink, both on a detail paper. An even more subtle exercise in pencil is another interior view in Hampstead by Richard Nightingale. That would win my prize for artistry.

## The ball's in your court

COMPETITION to find the most cost-effective design for indoor tennis courts has been launched by the Lawn Tennis Association.

LTA said it would be looking at a variety of options including air halls and aluminium frame courts, with a mix of two, three, four and six court units.

LTA told BD it wanted to see designs that were "minimal but functional".

So far the association has received 50 entries. Local authorities — which have agreed to finance two-thirds of the cost — will be choosing the winning scheme together with the Sports Council, the LTA and All England Club.

The competition is part of the "indoor tennis initiative" launched last week to try to get better tennis facilities in the UK. Indoor racket, page 5

## Employees face action

UP TO 800 former employees of the Greater Manchester Council, including some architects, could be faced with legal action because they have already spent extra redundancy payments received when the metropolitan councils were abolished in March.

The money — £1.3 million — was a special extra severance payment of three months' salary in lieu of notice. The GMC's residual body is looking at the legality of such payments and could ask former employers to pay the money back.

Staff were originally asked to bank the special payment but residual body officers are concerned that most of the money could be spent.

The authorities could have to issue individual injunctions to recover the money.

## Mies lecture

PROFESSOR Franz Schulze, an acknowledged authority on Mies van der Rohe, will be giving a lecture of the RIBA on June 9 to mark the centenary of the architect's birth.

Schulze has entitled his lecture "Mies and the Zeitgeist". Further information from RIBA events: 01-580 5533 (ext 434).

## Covent Garden scheme attacked

LOCAL community groups and Camden council are challenging plans for a major redevelopment in Covent Garden.

The opening rounds of their fight came at a public meeting this week.

Chapman Taylor and GMW — commissioned by the Mercers Company — have drawn up schemes for two warehouse sites bounded by Long Acre, Mercer Street, Shelton Street, Langley Street and Neal Street.

Chapman Taylor's scheme is a refurbishment for offices, retail space and restaurants. The other warehouse will be demolished and redeveloped by GMW for offices, retail and light industrial.

# Suspended architect left hanging over hearing

ADJOURNMENT of a common assault charge against a senior Lambeth council trade union official has dashed hopes of an early return to work for suspended council architect Mark Drummond.

Drummond was going to ask the council for his disciplinary hearing into allegations of misconduct to be held this week, but wants the assault charge against Nalco convenor and fellow architect Ed Hall to be concluded in case it influences the hearing.

Charges against Drummond relate to him speaking out in favour of senior council architect Herb Meyer, who has been

suspended for alleged mismanagement for almost a year without a disciplinary hearing (News April 11).

Drummond, an architect with Lambeth for more than 10 years, has been suspended since April for speaking to national newspapers about the case and openly criticising the council.

Both Drummond and Meyer claim a campaign of personal vilification against them on political grounds and say there is an increasingly sour relationship with Hall, with whom they both used to share an office.

A new date for Drummond's assault charge against Hall has been fixed for June 9 and Drummond plans to demand a council hearing immediately after that date.

He is keen to end the uncertainty surrounding his position and his future with the council.

Meanwhile, Drummond has been appearing in the High Court in a building disputes case relating to private design work he was involved with.

Meyer, who has been offered the chance to take early retirement with added years, a lump sum and an augmented pension amounting to £10,000, has turned down the offer and is awaiting a disciplinary hearing. He expects the council will still try to sack him.

Meyer is not a member of the RIBA, but has complained to Arcuk about the way Lambeth's architects department is being run and about the conduct of individuals there.

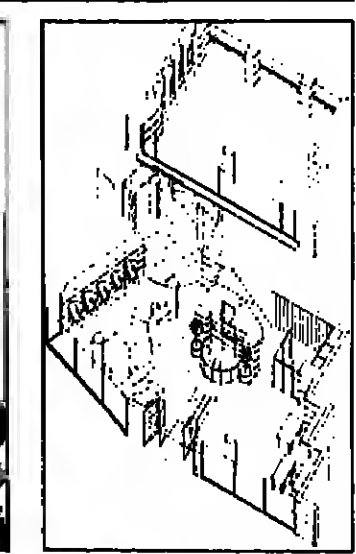
## BEC president

QUANTITY surveyor Peter Horsfield is the new president of the Building Employers Confederation for 1986/87.

## News



Shop by Fitch.



Showroom by McCall.

## Bike company changes gear

Fitch & Co are racing into the leisure industry with their new image for The London Bicycle Company, or like as it will now be known (left).

From its inception in a Kensington garage in 1972, the company is opening nationwide chain of high street shops, starting in Richmond. Fitch were asked to bring the bicycle shop into the 20th century and broaden its appeal. The design had to be cost-effective and adaptable for a wide range of locations.

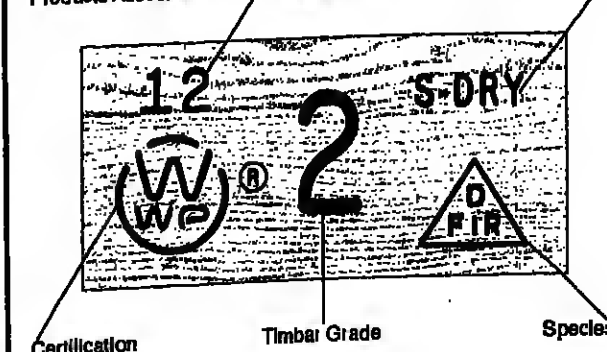
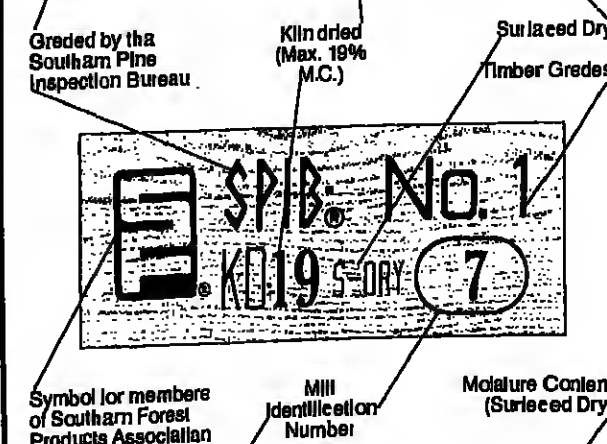
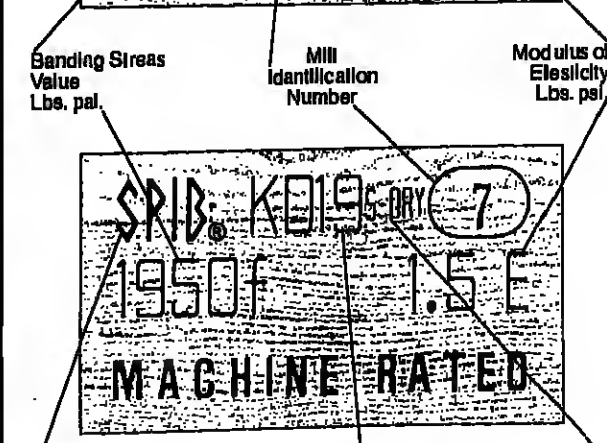
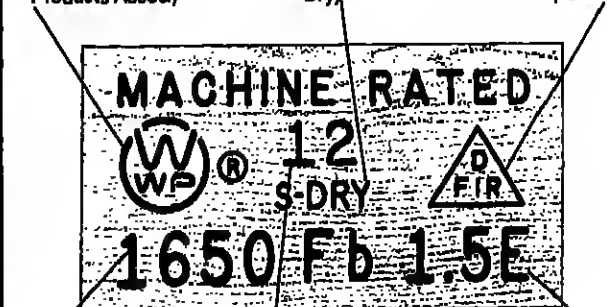
The designers fixed on a traditional workshop look to offset the gleaming hi-tech of the bikes, with a variety of clothes and accessories displayed on wall-hung and freestanding wooden screens. The company blue was chosen to look good in neon glass facia or in simple sign writing.

● In a different vein, Stewart McCall has designed this showroom for office furniture maker Kimball International, in Morychone Lane, London, (right).

McCall's interior is intended to provide a neutral background to complement the wood finishes in Kimball's range. Circular forms have been introduced to soften the angular structure of the existing building. Furniture built both in the US and the UK will be on display to designers and specifiers.

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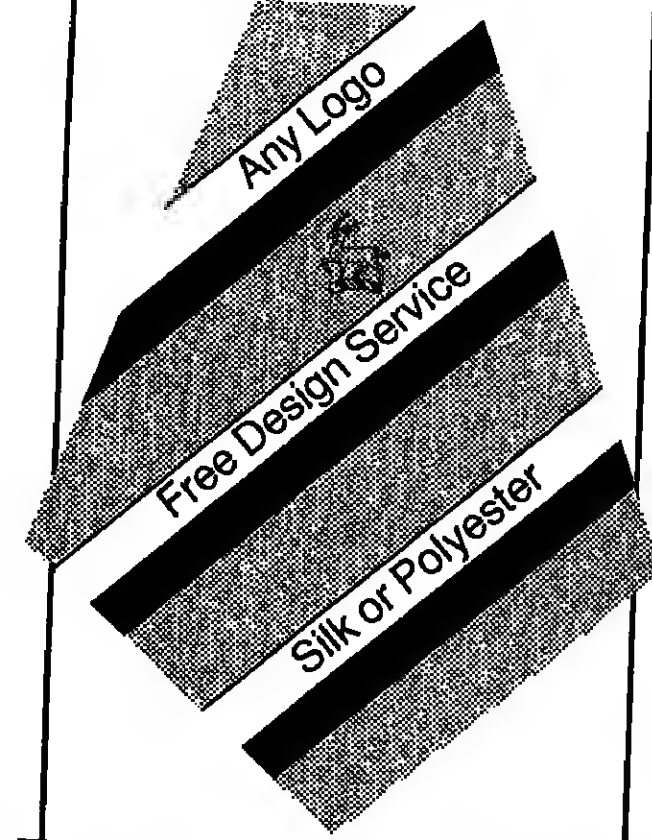


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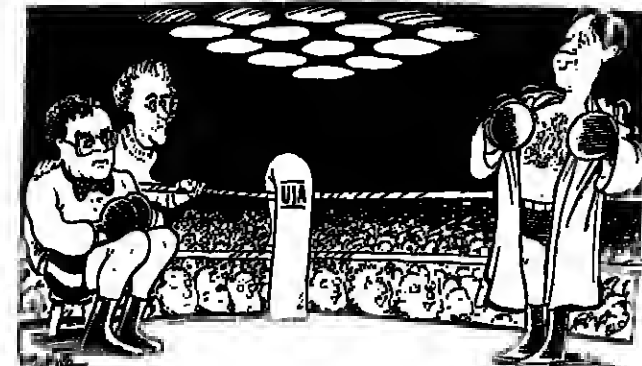
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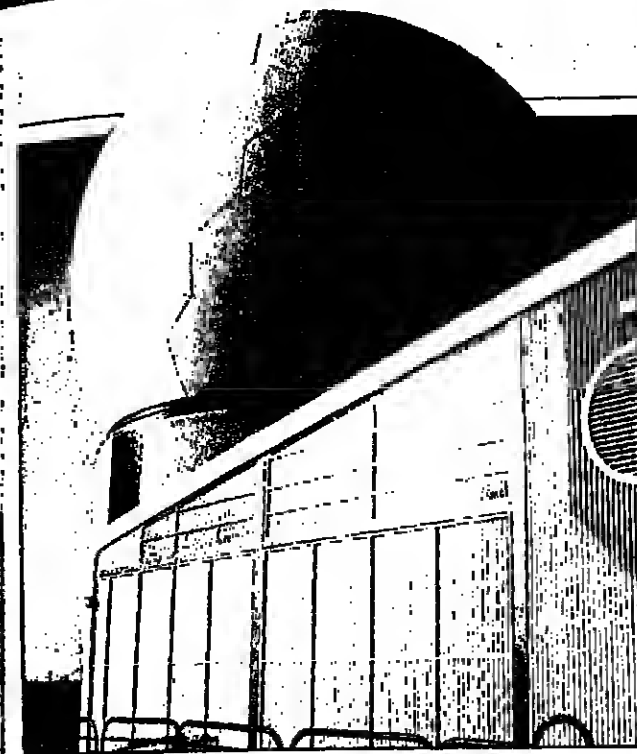
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The exhibition includes interiors, small-scale model work and refurbishments as new commercial buildings.

It is a chance to see the work of the architects in a new context. The exhibition is open from June 10 to June 11, Philadelphia, July 1; Baltimore, July 29-August 1; and Somerville (Boston), July 19-29.



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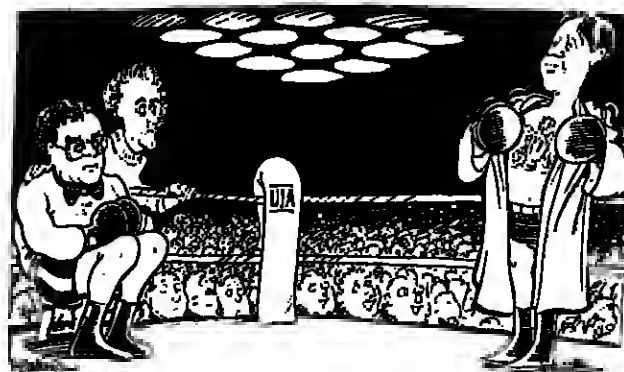
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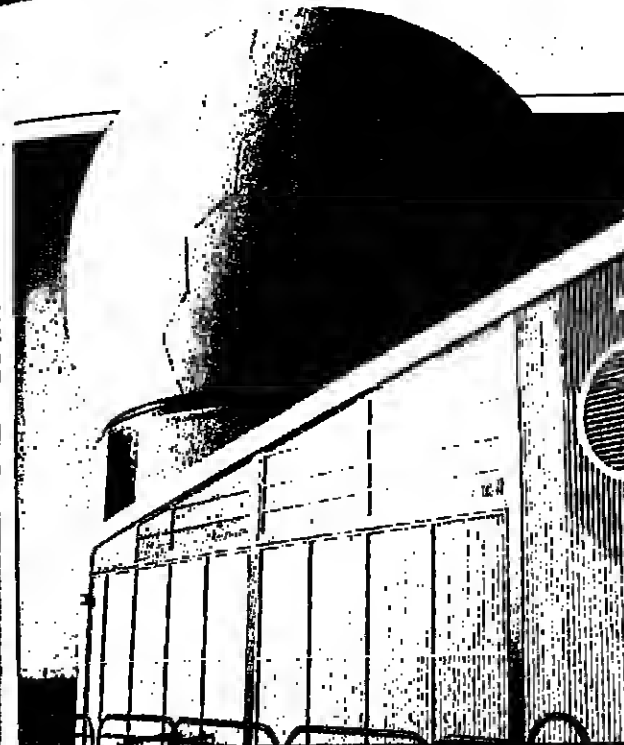
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## Patten considers DIY option for tenants

DO-it-yourself enthusiasts on council waiting lists could be given empty homes to renovate in return for a rent-free period.

Housing minister John Patten told Tory MP John Heddle during a discussion on house-building and homelessness that his suggestion was "a possibility".

He said the Labour Party had put forward a similar idea during the passage of the Housing & Planning Bill and that it was "clearly something to consider".

He agreed with another Tory that left-wing authorities which refused to enter partnerships with private developers were denying their citizens the right to decent housing.

"I think that the tenants will,

in the end, force councils to take action that they should have taken long ago. If they don't do so, we may have to take action."

## Time limit for action

LOCAL authorities will be given nine months from their initial inspection of conditions in houses in multiple occupancy to prepare a strategy for dealing with them.

Previously the Government's Housing (Multiple Occupation) Bill, now going through Parliament, included no time limit. An amendment by Lord Kilbracken to that effect has now been accepted.

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## News

## Grant limit on prefabs to be raised

THE Government plans to accept higher limits on grants for the refurbishment of prefabricated reinforced concrete homes.

Each pre house can cost £20,000 to repair, but the grant limit under the Housing Defects Act is £14,000.

The secretary of state has indicated he is willing to approve higher applications by district councils for pre work.

The DoE is also planning to extend the Act to cover other types of homes.

## Brunel plan on tracks

PLANS for an £18 million shopping centre in Merthyr Tydfil have been announced by Brecon Industrial Development and the Heron Property Corporation.

The new Brunel Centre, designed by Peter, Hing & Jones of Birmingham, will be on the British Rail station site in the centre of the town.

## Leading lights to tell all

LEADING designers and pundits are to speak at a conference on retail design which will be one of the first conferences staged at the new Queen Elizabeth II conference centre.

Design A Shop on June 25 features Eva Jiricna, David Chipperfield, David Davies, Stephen Bayley, David Stewart, of Conran Design Group and Bill Webb of Fitch & Co. Details: 01-267 7567.

## New hall at Wembley

MICHAEL Squires Associates have begun detailed drawings for a £5 million exhibition hall next to the Wembley Conference Centre.

The total area will be 7,600sq m, including bars and restaurants to service the 5,000sq m hall.

The hall is a design and build contract with McGoughlin Harvey.

## Westminster victorious in round one of listing case

A HIGH Court ruling last week that the removal of items from listed buildings was an "absolute" criminal offence has been welcomed by conservationists.

Westminster City Council has prosecuted Brian Martin under Section 5 of the Town & Country Planning Act 1971 for allegedly removing items from Grade II-listed buildings.

But the magistrate dismissed the case, saying that there was no

By Amanda Bailleur

evidence that Martin knew the buildings were listed. Then the High Court ruled that the magistrate was wrong in law and ordered him to continue hearing the case.

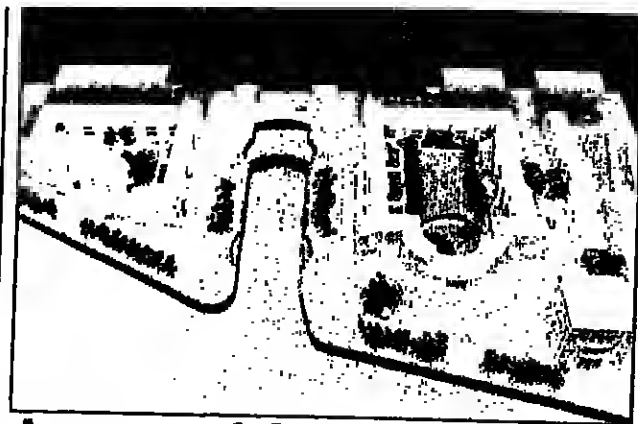
The council says there has been an increasing number of thefts of architectural items from listed buildings, particularly fireplaces, stair balustrades, stained glass and external and internal ironmongery.

Westminster's victory comes only a week after Camden council's decision to prosecute the Honourable Society of Grays Inn for allowing two listed buildings, used as lawyers' chambers, to be gutted.

It is believed that Lord Justice Glidewell, Master of Estates, will be defending the Inn's decision to gut the buildings on a point of law.

Save Britain's Heritage welcomed the High Court ruling: "The innocence argument will no longer hold," said a spokesman. "Magistrates will no longer be able to ignore cases of this kind."

● An unusual Grade II-listed building is in danger of being



## A taste of Greenland in Surrey Docks proposals

Dramatic designs combining "the best of English building traditions with Danish architecture and building technology" in a £21 million housing project for Surrey Docks have just been revealed.

Danish developer Islet, and Croydon architects Monirosh Haines & Kennedy, have just received detailed planning permission from the London Docklands Development Corporation for their plans for 148 homes on either side of the entrance to Greenland Dock.

The design comprises two blocks, one featuring a crescent at the front, the other a circus. Both have a central courtyard and tree-lined green.

Both blocks range from two to five storeys, with an eight-storey tower at the top of Pinod Street which is laid out as a row of three-storey terraced houses.

But before the scheme can go ahead, the route of an old footpath which goes through the site must be changed and the LDDC is awaiting the outcome of the recent public inquiry into the diversion of the Commercial Dock Passage.

The developers are confident that the diversion order will be granted and scheme given the green light. The first homes could be ready for occupation next spring, with the entire project completed by mid-summer 1988.

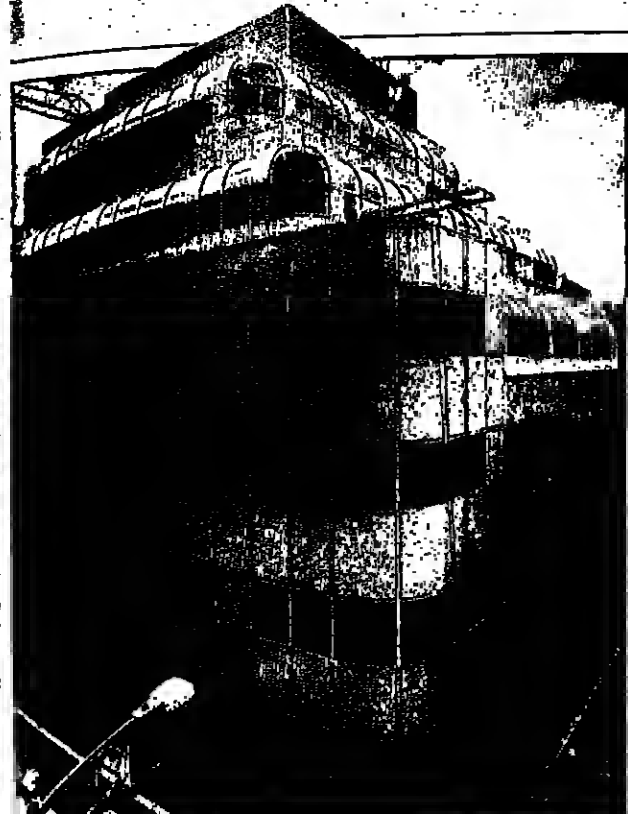
## Disneyland scheme well under way

PLANS to build Europe's Disneyland, just 16 miles from Paris at Marne-la-Vallee, are well under way and a formal agreement to build should be signed by the government "some time in June". The £650 million theme park will create 25,000 construction jobs and provide employment for 25,000 when it opens in 1991.

## Designers' Saturday

THE next Designers' Saturday will be held on October 11. It will be held on October 11. It will be held on October 11.

A new award sponsored by the Society of Industrial Architects & Designers will invite entries for the best commercial interior for the commercial sector and best student scheme for the public sector.



## Sleek style in Soho

Stylish and sleek, this office development for Fitch is now approaching completion in London's Soho. Project architect is Terry Goodber of Peter Blakemore & Associates, the practice responsible for the spectacular laser linked light display along Regent Street last Christmas. (Photo: Geoff Beekunon.)

## News

## New councillors jump at opportunity but losers stunned

TWO new members of the RIBA Council are relishing the opportunity to "muck in" and tackle the Institute's problems, but the members they replaced are clearly stunned by the election result.

David Rock, the runaway winner of the election (80 last week) is not a newcomer to the council, having been elected three times between 1970-76 and served on several committees.

He feels there is a basic flaw in the present RIBA structure, with too much work being done by a few council members, and no one taking long-term responsibility for policy.

"The top secretariat does not take the responsibility that it should," he said. "There is a civil service attitude, but councillors are not full-time politicians," he told BD.

"For instance, Peter Melvin is

By John Wood

shot at all over the place, but Peter Gibbs-Kennel (RIBA director of the education department) is hardly ever heard of."

A member of the visiting boards, CNA and an external examiner, he is strongly opposed to the council's present

policy on education. Overall he wants to give the institute a higher public profile, and hopes the president will look on him as a "flying squad" to sort out particular problems.

Asked if he had presidential aspirations after such a victory, he replied: "If people thought I was the right person I would follow."

Unlike Rock, Peter Cook said this was probably the first post he had ever been elected to.

A member of the educational establishment since 1964, he is very interested in the welfare of younger architects and also opposes current policy on education.

A part-time architecture professor at Frankfurt, he also aims to bring a consciously European attitude to the job.

Out after three years on the council, Fred Roche said he was disappointed, frustrated, and blamed the vagaries of the democratic process.

Honorary treasurer, a member of policy committee, chairman of the community & urban affairs committee and inner-city committee, he had been tipped as a likely future president.

Now he says the tenure of his present roles is a matter for the council to decide.

Also a council member for three years, Douglas Stephe came last in the poll with 165 votes.

He will now stand down as vice-president of public affairs and a member of the policy and housing committees.

## Fire guide

A DRAFT guide setting out an advisory standard for means of escape from fire in houses in multiple occupation in Scotland has been prepared by the Scottish Home and Health Department.

Written comments from interested bodies are invited by the Scottish Office by July 4. A final version of the guide is expected later this year.

## Trust's win brings new campaign

AFTER winning a four-year planning fight against Liverpool council, a housing cooperative has returned to the campaign trail to attract support for a much larger redevelopment of its community.

The Eldonian Community Association, which has a scheme for 145 houses on the old Tate & Lyle factory site in the city, proposes to set up a Neighbourhood Development Trust on the lines of those at Stockbridge or Thamesmead.

Public and private sector funding would be sought to fund a new area stretching from the Vauxhall Road to the River Mersey.

A report has been drawn up with the help of Wilkinson Hindle, architects for the Tate & Lyle site, and Community Projects.

## Nuclear 'apathy'

DESPITE the nuclear accident at Chernobyl, the British public has displayed overwhelming apathy towards nuclear shelters, according to Colin Croft, chairman of the Federation of Nuclear Shelter Consultants & Contractors.

He said this week that only around 500 private shelters have been built in Britain.

And James Crabtree, the only architect member of the federation, said interest since Chernobyl had come mainly from the media.

Crabtree has designed a system of shelters made out of helically wound steel ranging in size from 2m x 2m to 6m x 2.6m and costing from £3,000 to £10,000 before fitting out.

He said there had been interest from civil engineering firms and foreign buyers, but less than 10 had been sold to civilians in the UK.

## Clerks' probe

THE Institute of Clerks of Works is inviting submissions for its investigations into the role of the clerk of works.

Comments should be sent to the General Secretary, ICW, 41 The Mall, London W5 3JT.

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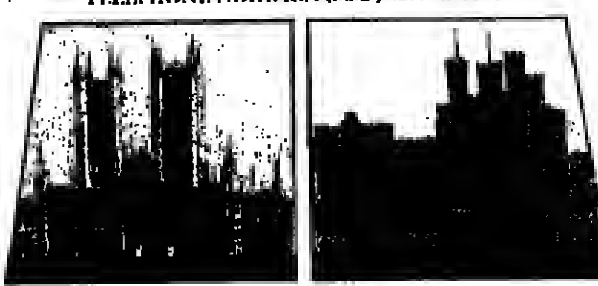
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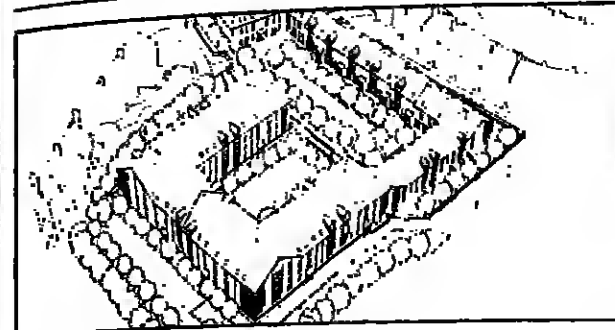


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## News in pictures



### Looking back to the traditional ways

Shepherd Construction has won the contract to build the first multi-million pound, non-grant aided urban housing scheme to be developed in Newcastle upon Tyne for more than 20 years.

The Leazes development of 110 apartments and five town houses, set around landscaped courts, has been designed by the Alan J Smith Partnership for the Abbey Housing Association.

Traditional materials have been specified, including facing brickwork and pitched grey tile roofs over timber rafters.

Leazes Court is scheduled for completion in September 1987 with the first houses being ready for occupation in December 1986.



### Curing a blight

This £16 million shopping arcade in Northampton was recently granted final approval by the city planners.

Designed by Nottingham-based Gordon Denoy & Partners, the two-storey development, Peacock Way, will replace a 1960s precinct described by planning committee chairman Stan James as a blight on the market square.

Work is scheduled to start on the project in June 1986 with completion due in August 1987.



### HQ for giant union

Work has started on a £5.5 million headquarters for the UK's largest civil service union, the Civil & Public Services Association.

Designed by Holder & Maillat Partnership, the building will provide 5,625 sq m of office space and is part of the £25 million Clapham Junction redevelopment project.



### Thornbury civic offices

Bristol-based Hubbard Ford Partnership have designed a £2.4 million civic offices for North Devon District Council at Thornbury in Avon.

The 5,400 sq m, three-storey building will provide office space for 250 council staff and is due for completion early next year.



### Livery Hall on course

The Lord Mayor of London, Sir Allan Davis, helped to lay the foundation stone of the Livery Hall & Fletchers Livery Hall last week.

The £1.2 million development (centre of the picture) was designed by Michael Twigg Brown & Partners with Walter Lawrence Project Management acting as developer and main contractor.

The hall, which has 1,100 sq m of offices above it, is scheduled for completion in December.

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## Between two stools

FRESH from America comes a new typographical symbol which is now being incorporated into at least some word processors/personal computers (I almost said typewriters). It is a cross between an exclamation mark and a question mark, and goes by the name of "Interrobang" — an unpleasant word to describe a potentially useful symbol. We get the occasional correspondent who writes to us (usually in green ink) who incorporates large numbers of exclamation marks and question marks, one after the other. What could be more useful than a symbol which saves all that effort, though the quest for succinctness is not the main thing which springs to mind in thinking about the end product of today's new technology. It is so much easier to produce 2,000 words than 1,000.

The question of whether something is a question or an exclamation is of wider interest, and surely applies to much of the architecture we see around us. Each form has its virtues; after all the exclamation, even if it represents a statement full of

error, may be considerably more interesting than the statement which deserves no exclamation mark — better the fruitful error than the sterile accuracy. And the building which poses a question is equally valuable — even if that question is something like "Do we really want our cities to include buildings which look like this?" And of course it is the architecture that asks questions, or provokes them, which is most likely to stimulate others to provide fruitful answers. Another category of "question architecture" is less interesting of course — the question being "why did they bother to build it?" One might take the latter sort of question, plus the exclamation, and describe two sorts of architecture in rather the same way that one can describe news stories. They come in two varieties: gee whizz and so what?

Happily there is plenty of good architecture, as there are good stories; which do not fall neatly into either of these crude types, which meet a brief rather than ask a question or make a

### The Editor's Comment



statement. Indeed, in the week that sees the opening for work of the new Lloyd's building, there are some who say architects should meet their brief in a modest fashion, keeping messages, à la Alfred Hitchcock, for Western Union. Lloyd's would be, of course, an exclamation mark in my book, though building economists might regard it as a suitable case for an Interrobang. The talented defy categorisation, however. The difference between Rogers and lesser talents is comparable to Olivier in his heyday and Tyrone Guthrie. One was a tour de force; the other was forced to tour.

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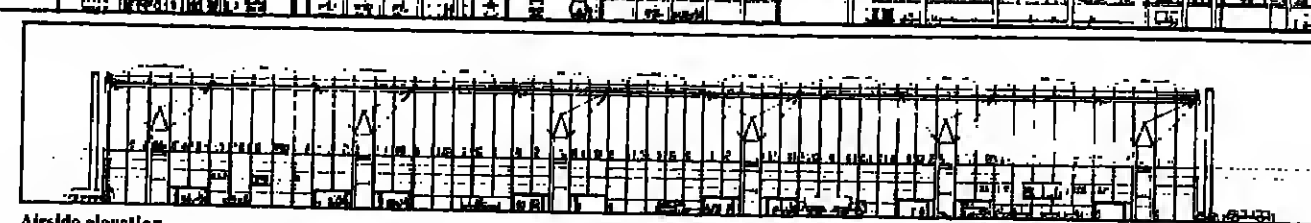
## Perspective

## Stansted standards

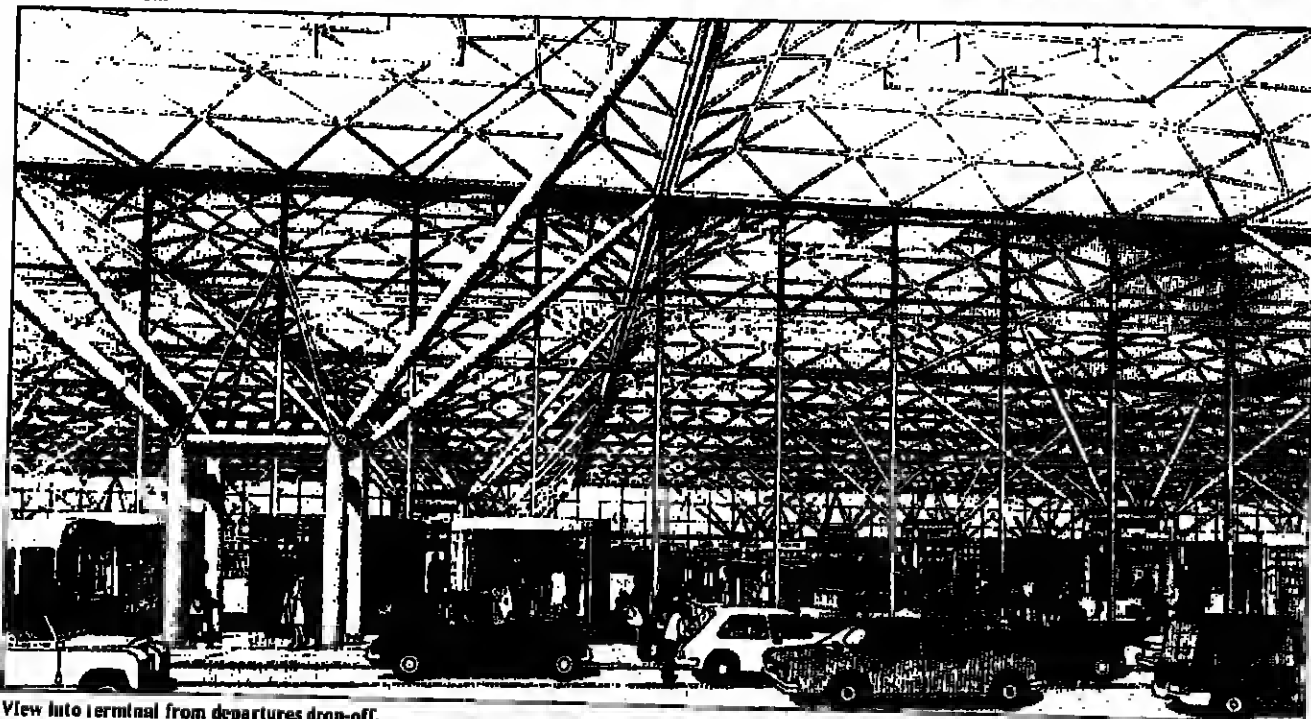
IN 1981 Foster Associates were commissioned by the British Airports Authority to carry out architectural and planning feasibility studies for the development of increased passenger facilities at Stansted Airport. The practice was subsequently appointed to develop detailed designs for a new terminal building. Here they describe their approach:

"The brief for the new terminal building called for a design which would be economical, provide optimum passenger comfort and convenience, and allow internal flexibility for future modifications with the minimum of disruption. It was also considered important that the building should not appear intrusive in the generally rural landscape of the locality.

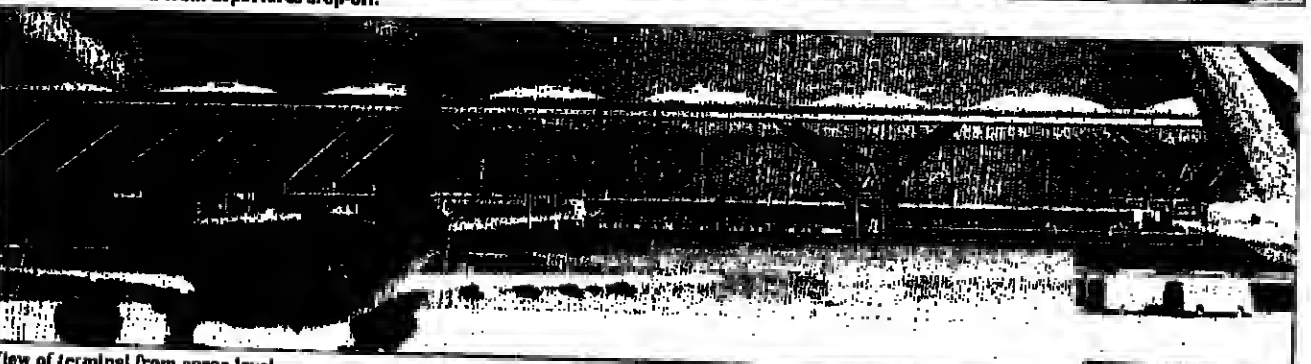
The structural columns at concourse level are set on a 36 metres square grid, generated by the functional requirements of the terminal and the need to provide maximum layout flexibility on its passenger floor level. The supports for the roof form tree-like structures comprising clusters of four interconnected tubular steel columns. These are angled at 4 metres above concourse level, to reduce the structural spacing at roof level to an 18 metres square grid. The roof is made up of lattice shell domes which obviate the need for dominant roof trusses or beams. Each dome rises to a height of 3 metres above eaves giving an overall maximum external height above concourse



North/south section.



View into terminal from departures drop-off.



View of terminal from apron level.

level of 15 metres. All distribution equipment for heating, ventilation, air-conditioning and lighting serving the concourse is contained within clusters of steel columns.

To allow the airport a high degree of flexibility for future alterations and modifications, all passenger facilities at concourse level which require enclosure have been designed as freestanding demountable enclosures.

Internally there is natural light for the concourse from glazed cladding and the roof-lights in the lattice domes. After dark, the concourse will be lit indirectly by light reflected from the internal surface of the roof.

The form and external appearance of the terminal is designed to have an unassuming and low profile in its surroundings, but at the same time to manifest a strong and recognisable presence.

The two main elevations are fully glazed. External structural elements support deep canopies which provide sun shading and serve to eliminate strong reflections in the glass walls. The side elevations are of translucent white glass for the concourse and pale grey metal panels for the undercroft, with a low horizontal band of translucent glazing separating the two at concourse level.

The building has a heat recovery air-conditioning system using heat from inside the building to offset heat lost through the walls and roof. Foster Associates are also responsible for the interior design of the new terminal.

Client: British Airports Authority. Architects: Foster Associates. Structural engineers: Ove Arup & Partners. Quantity surveyors, mechanical and electrical engineers: British Airport Authority. Consultant contractors: Laing Management Contracting.

## Scorpio



## A mystery in the corridors of power

OBSERVERS of the warring between the Community Architecture Group and the RIBA continue to be intrigued by the way in which a small faction has managed to wield such influence without the benefit of the most basic organisational structure.

For example, how does one actually join the Community Architecture Group? Do you pay? And how does one get elected to the governing body of the CAG? This is a difficult question to answer, since there is no written constitution for the organisation.

This is one of the reasons for the lack of influence inside the RIBA administration that is not wielded by community architects. The absence of a distinct constituency is always a handicap when dealing with professional institutions. Yet there are a multitude of you out there just waiting for the call, in other words the early 1990s. Come on CAG! Get organised! Start recruiting!

Meanwhile, Portland Place's difficulties in lacking grass roots inner city problems have emerged again, in Hull, which is to be the subject of a "Cudor" operation. Because of squabbling over terms of reference, the site to be the subject of investigation has been shifted from a really rough area to somewhere more salubrious — defunct, at least in part, the object of the exercise.

## Witch-hunts start here

"FIND the guilty man!" was the order which went out following 80's last story two weeks ago, naming Owen Luder as RIBA's choice for UTA president, which will be decided in Dublin in July 1987. Members of the policy committee were interrogated to try to discover the source of our leak, but to no avail.

In a bid to stop the "flow of revelation", institute committees of all sorts are becoming smaller and more secretive. Staff are spying on fellow staff in a desperate attempt to prove their loyalty — and settle old scores. Amusing talk of impeachment is in the air following the Institute's handling of the UTA business. It would not surprise me, however, if like-minded opponents of official policy clotted together to stage an sgsm while president Larry Rolland is abroad, enjoying the hospitality of the ATA convention.

## Presidential stakes: latest

WITH RIBA's presidential hopefuls Douglas Stephen and Fred Roche knocked out of the polls for council, the way seems clear for Peter Jones, former GLC director of architecture and civic design, to make an orderly succession in 1987. But Raymond Andrews, who organised the successful Festival of Architecture celebrations in 1984, has started to test the waters and may yet announce his willingness to stand.

The significance of David Rock's massive support (on an anti-Portland Place ticket) is fuelling speculation, however, that a rank outsider has yet to rise his head above the parapet. And what about non-councillors? Some suggest that Andrew Derbyshire, "the best president the institute never had", is the favoured choice of some influential figures.

## Party time



My picture shows RIBA president Larry Rolland and unidentified RIBA presidential nominee. But I'm enjoying myself at a recent party. Scorpio readers are invited to submit a suitable caption, possibly on the lines of "What we have in common". Entries, on a postcard only please, to me by June 4.

P.S. Suggestions that the picture shows the president building two glasses will be instantly disqualified.

## The golden crowbar

NEWHAM council is to reward architect Sam Webb for his 18-year campaign to bring down Ronan Point before it fell down. The golden crowbar with which he removed the name plate above the entrance to the monstrous tower block is to be suitably engraved and presented to Webb at a formal ceremony.

● INVESTIGATIONS into the role that Freemasonry played in building Ronan Point and eight other blocks on the Freemasons Road Estate in Newham are progressing well, I'm told.

Various people are helping author Martin Short with his inquiries, and his book is likely to make a good sequel to his last major project — the Thames Television series and book on the Mafia.

## 10 years ago

A NEW type of architecture, based on community needs, requires a new "patronage base", according to a report given to the New Architecture Movement last week. The report, which analyses ways of promoting a "national design service", suggests that the best way of achieving this would be through local authorities, where pressure groups could have most effect. Building Design, May 28, 1976.

## Statistics



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## Educating to suit practice

From Jacob Blocker, London region education group

At a recent meeting of the RIBA London region education group, we were given an explanatory talk by Peter Melvin about his extensive visits to many schools in the country and consultations with heads of schools. After his talk he asked some of the heads of schools present the following question:

"As a result of recent Government requirements to cut numbers and finance to architectural schools, have you, the heads of London schools, made any creative contribution to the debate?"

The answer was a unanimous "No".

As a result of this answer, coupled with looking at the recent publication of the RICS glossy new brochure claiming "design" as a surveyors service, it became clear that the RIBA and practices should enter the debate at a creative level before we lose our initiative and our livelihood.

With this in mind, I put forward the following proposals for discussion and for increased education expenditure:

1. Architectural studies based on the current curriculum for the first three years.

2. Staff assess the special bias of each student based on performance.

3. Fourth-year out to be placed in an office according to individual student bias.

4. Fifth year and sixth year — the students to be streamed for some of the subjects. Stream No 1 — Design, planning and apprenticeship; No 2 — Project management and building finance; No 3 — Technical developments and building construction; No 4 — Computer studies and community enabling.

Each of these graduates should be assured of a proper career structure; the technical student will become a super technician and be given equal status, pay and partnership to the designer architect and a similar commitment to the other streams. Practices both in public and private offices will benefit by having graduates and partners of specialisation and allow

the beginner architects to concentrate on solving the planning and strategy problems.

I am not suggesting these subjects as a finite list or even that they are grouped as shown, but one thing is quite clear, architects are used as technicians, project managers, computer boffins and their training in these subjects leaves them ill-equipped to do the job.

If we do not act quickly, the RICS will take most of the rehab and conservation work away from us and the expanding designer offices will be employing all the architectural graduates.

The RIBA must act quickly to protect the practices and must approach Government for an increase in expenditure to cover these much needed and increased skills. New departments should be set up to meet these needs. This could be a unique opportunity for change. The RIBA should concentrate a

large proportion of its funding to the promotion of the profession, even if this means cutting other services such as practice advice. The public and government must be shown that we are willing to give good value for money and that we are willing to restructure with imagination to a changing world.

Jacob Blocker  
London NW3

## The politics of Divis

From staff of the Town & Country Planning Association

AS members of staff at the TCPA, we were incensed by Alex McGregor's letter (May 16) in which he sought to make cheap political capital out of a very serious housing situation, that is, Divis.

It is to the TCPA's great credit that it has stuck firmly to its long-held principles of supporting the right of communities to control their own environment, especially one as brutal and oppressive as Divis, and not allowed itself to be covered by the knee-jerk reactions of people who have a vested interest in maintaining the status quo.

That Divis is an intolerable environment is there for all to see. One has only to meet the Divis residents, as we did, to observe the debilitating effects of the asbestos-ridden, damp-ridden, cockroach-ridden, stress-ridden, horrific conditions which represent normal daily life for these people.

In spite of this, the Divis residents have maintained themselves with extraordinary dignity, so much so that they are now working towards a plan of their own for the demolition and rebuilding of the estate. This is a creative, positive development, and one which we, Brian Anson, and the TCPA are proud to be able to assist.

In short, McGregor should put up or shut up. If he is seriously interested in the politics of this particular housing crisis he should address himself to the restrictions on civil liberties which the Divis Residents Association experiences daily and which few, if any, residents associations in England, Scotland and Wales have ever remotely encountered. Yolande John, Philip Easton, Jane Fenwick, David Boyle, Christina Legerton, Aodhne Johnson, Abi Sofelarin, John Johnson, Andy Roscoe, Patricia Meehan London SW1

## Riddled with bias

From Aubrey Colderwood  
I FEEL I must register my disgust at Brian Anson's article about the Divis flats complex in Belfast, entitled "Punishment block" (May 9).

This piece would have been more at home on the pages of *An Phoblach*, the official propaganda paper of the Provisional IRA. It was riddled with political bias from the outset and completely undermined the perhaps legitimate case for better housing on the Divis estate, a case incidentally shared by numerous other system-built estates in the rest of the UK.

Anson gave tacit credibility to the murdering exploits of the IRA when he implied that they were a community militia who would be supposedly justified in taking "stern measures against anyone who interferes with the enjoyment of the people in any way".

What he needs to remember is that the people who he calls the elected members of the community openly support the slaughter of members of the security forces and anyone else who happens to get in the way of achieving their objective of a united Ireland.

The Divis complex spawned many perpetrators of violence against innocent people and deserves the utmost attentions of the Army and RUC. Numerous arms find have saved the lives of many potential victims of the IRA. Anson appears to want to go about their activities unpunished by the security forces whom he sees as the aggressors.

I would suggest that in future, if Anson wishes to include political comment in his article he should at least attempt to give a balanced account, taking into consideration the other side of the political argument and not just concentrating on his own standpoint. This is at best a warped and would appear to be something akin to that of Gerry Adams and his Sinn Féin comrades, ie, violence is justified by political ends. I see this article as a real slur upon the integrity of *Building Design*.

Aubrey Colderwood  
Newcastle upon Tyne

## Nice little outburst

From Brian Anson  
CONGRATULATIONS Mr McGregor. You must feel very pleased with your achievement. Without passing any comment on the actual subject of my Divis article (the dreadful environment in which 2,500 men, women and children are forced to exist) you have managed to get so much out of your system (May 16). You did like of Arthur Scargill, Gerry Adams MP, social security scroungers, council house tenants who have the affrontery to fall into debt, the damnable "pollitisation" of the SA seven years ago and, of course, myself. I trust you now feel much better.

May I suggest that the next time you feel jaundiced you have a go at Broadwater Farm, or Brixton or Liverpool 8 — and there's plenty of other environmental situations around to justify a nice little outburst of bigotry. What harm can it do?

Brian Anson  
Surrey

## Drawings conclusion

From John Warren  
MARGARET Richardson wrote to you persuasively arguing that the RIBA Drawings Collection should remain where it is in Portman Square, and John Wells-Thorpe has replied convincingly that it should return to Portland Place.

I consider that the collection will best be used by architects if it is at Portland Place, but I sympathise with Richardson, who worked in appallingly cramped conditions at Portland Place some 20 or more years ago.

The essence must be that if the collection does come back to Portland Place it must be housed at least as well as it is at Portman Square, and the move to those who made the move to Portman Square possible must be honoured in spirit in the new circumstances.

John Warren  
Horsham  
West Sussex

## Letters to the editor

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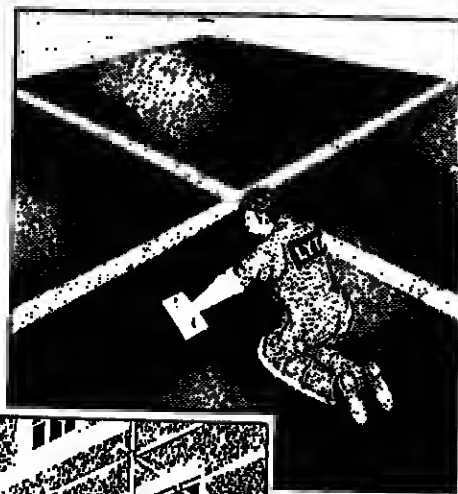
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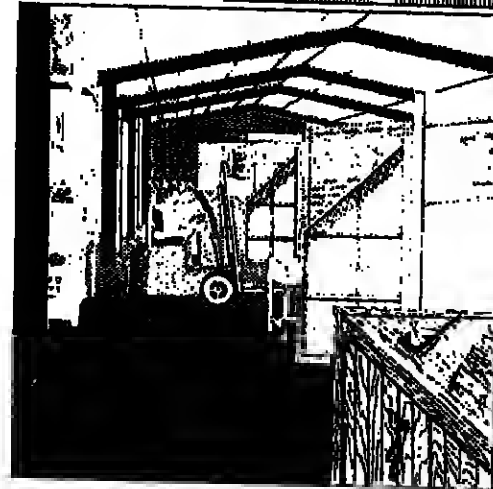
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## Harsh words for Lambeth

*Crowdace Ltd v Lambeth Borough Council* (Court of Appeal, March 1986)

This case was noted in *BD* (November 1, 1985) when it came before His Honour Judge John Newey QC, sitting as Official Referee. Some of the points noted in that issue have now been considered by the Court of Appeal.

Briefly, the issues arose out of a loss and expense claim by Crowdace. The architect retired and no one was appointed by Lambeth to replace him, so there was no ascertainment carried out of loss and expense. Crowdace eventually issued a writ seeking judgment for loss and expense or alternatively damages for breach of contract. Lambeth sought to have the action stayed under Section 4 of

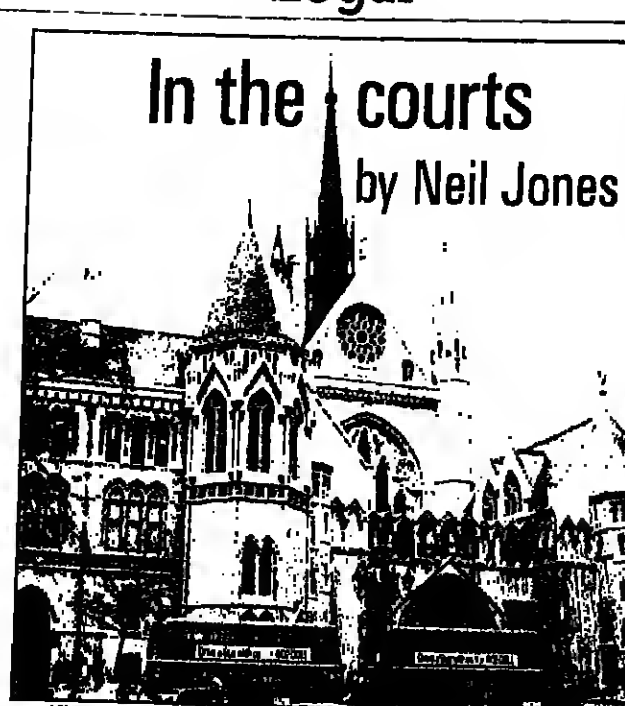
the Arbitration Act 1950, claiming there was a dispute which was covered by the terms of the arbitration clause in the JCT 63 Contract between the parties.

The Official Referee refused the application for a stay. He upheld Crowdace's claim that Lambeth was in breach of contract in either failing to appoint a replacement architect or otherwise ensuring that an ascertainment of the loss and expense claim was carried out. The Court of Appeal upheld this finding.

But the Official Referee also held that as the contractual machinery had broken down in connection with the ascertainment of loss and expense, it was open to the courts to carry out the ascertainment. (It should be noted that the breakdown of the contractual machinery is an express exception to the principles in the *Crouch* case, namely, that only an arbitrator is entitled to open up and review the architect's decisions etc). In the Court of Appeal, it was common ground between the parties that there could be no action before the courts for loss and expense claim simply because of the absence of any architect's

certificate. In effect, a loss and expense claim is a matter for the architect or the arbitrator and not the court.

Even so, the contractor had a claim for damages for breach of contract and this would include



## In the courts by Neil Jones

the loss and expense which would otherwise have been ascertained had Lambeth not been in breach of contract. Lambeth sought a stay of the proceedings in relation to this damages claim. The court

accepted that the dispute in relation to this claim was within the arbitration clause. The question was whether the court should exercise the discretion given to it under Section 4 of the Arbitration Act 1950 to refuse a stay of the proceedings so that the damages claim could be considered by the courts rather than an arbitrator.

The court exercised its discretion and refused to grant the stay. One relevant consideration in determining the exercise of the discretion was the conduct of the party seeking the stay. The Court of Appeal said the conduct of Lambeth "merits the strongest condemnation".

The court inferred from this delay and failure that the object of such conduct was to postpone the trial and accordingly no stay was ordered. Further, the Court of Appeal upheld the order of the Official Referee that there should be an interim payment of £100,000 to Crowdace and held that the power of the court to make such an interim order, which power the arbitrator does not have (subject to agreed arbitration rules containing such power), was a further reason which could influence the exercise of the discretion whether to order a stay.

## Surveyors' failure

*Peter Torbet Martin v Mrs. Bell-Ingman* (March 1986)

This Scottish appeal case concerned the duty of care in negligence owed by a surveyor instructed on behalf of a building society in connection with a proposed mortgage. See *Yvonne Edwin Evans & Sons* (1981).

The Bristol & West Building Society instructed the surveyors to carry out a survey for the purpose of confirming the value of the property as adequate security for a mortgage advance. To the knowledge of the surveyors, the contents of their report would be communicated to the prospective purchasers. The surveyors initially reported orally to the building society, which then reported orally to the purchasers, following which the purchasers entered into a binding transaction to purchase the property. Subsequently, a written report was submitted by the surveyors to the building society and the society sent a copy to the purchasers together with a formal mortgage offer which contained an exclusion clause.

"Neither the Society nor the Valuer accepts responsibility for the value or condition of the property. Although the Society may draw attention to any defects the Valuer mentions, it must be understood that the property may contain other defects. If the applicant wishes to satisfy himself on these matters, he is advised to obtain an independent report from a qualified surveyor."

This disclaimer was not therefore communicated to the prospective purchasers until after they had committed themselves to a binding transaction. The surveyors failed to notify the building society in their report of sagging in a ceiling. The purchasers therefore had difficulty in reselling, despite remedying the defect. They claimed as damages the difference between the valuations given by the society on the basis of the surveyor's report and the valuation which would otherwise have been given had the report properly referred to the defect. The purchasers' claim was upheld.

Comment: Even if the exclusion clause had been notified to the purchasers before they had committed themselves to a binding purchase, such a term would have

had to satisfy the requirements of Part 2 of the Unfair Contract Terms Act 1977. In a somewhat similar case south of the border, *Stevens v Nationwide Building Society* (1984), an exclusion clause in a building society's offer of advance was upheld as being fair and reasonable under Part 1 of the Act.

## Expensive duplication

*RGE (Group Services) Ltd v Cleveland Offshore Ltd and Britoil Ltd* (Third Party) (March 1986)

This Official Referee's case shows just how inconvenient and potentially expensive and wasteful can be the results of the Court of Appeal decision in *Northern Regional Health Authority v Crouch Construction* (1984). In essence, the *Crouch* principle provides that where a contract gives an arbitrator wide powers to open up and review certificates, decisions etc of a third party certifier, typically the architect or engineer under building and engineering contracts respectively, the court has no power to stand in the shoes of

the arbitrator to open up etc. The effect is that so far as the court is concerned the decisions of the third party certifier are final and binding upon the parties.

In this case, although it is not clear from the judgment which, if any, standard conditions of contract were incorporated, the subcontract conditions appeared to be based closely upon the FCEC "Blue Form" of subcontract for use with the ICE 5th Edition and the main contract had at least some similarities with the ICE 5th Edition.

The main contract was between Britoil as employer and Cleveland Offshore as contractor; the subcontract being between Cleveland and RGE (Group Services).

The main contract and the subcontract were closely interrelated. By way of example only, where the contractor was required under the main contract to give any return, account or notice etc to the engineer or to the employer, the subcontractor was, in relation to the subcontract works, to give a similar return, account or notice to the main contractor so as to enable him to comply with the terms of the main contract. Cleveland claimed against Britoil for extensions of time and less and

expense for increased costs arising out of such matters as variations and late instructions. RGE made claims under the subcontract against Cleveland, some of which were on the same factual basis as the Cleveland claim against Britoil.

In terms of convenience and cost, it was clearly appropriate for all of those issues which affected all three parties to be dealt with in the same proceedings. For instance, Britoil was claiming in some instances that Cleveland had not provided the appropriate return account or notice under the main contract and Cleveland in turn was making the same point against the subcontractor, RGE, in respect of the same issues.

RGE commenced legal proceedings against Cleveland, the main contractor. It is important to appreciate that there was no arbitration clause in this particular subcontract. Cleveland naturally enough wished to bring into the proceedings Britoil and purporting to join it as third party. Britoil applied for a stay of the third party proceedings under Section 4 of the Arbitration Act, claiming it wished its dispute with Cleveland to be dealt with in arbitration as there was an arbitration clause in the main contract.

Cleveland contended that if the third party proceedings were stayed, the very same issues would have to be argued out in both the court proceedings with RGE and in the arbitration proceedings with Britoil.

The judge, while appreciating the inconvenience which would be caused, felt obliged to follow the *Crouch* decision, holding that he had no power to open up and review the engineer's certificates, decisions etc. This could only be done by an arbitrator. The judge reached his conclusions somewhat reluctantly, as clearly any decision of the arbitrator in relation to the engineer's certificates etc could have a decisive effect upon the claim by RGE.

Comment: While no doubt the problem of duplicate proceedings was in this case heightened by the absence of an arbitration clause in the subcontract, even if there had been one it would probably have resulted in two separate arbitration proceedings dealing with many of the same factual issues unless there was a valid joinder clause within the main contract and subcontract.

There is little doubt that the *Crouch* decision has caused enormous complications and has markedly increased the risk

of duplicate proceedings and inconsistent findings of fact. These problems may sometimes be alleviated by arbitration clauses containing joinder provisions in the various inter-related contracts, although this is by no means the universal answer. Further, if its effect is to produce arbitrations with a multiplicity of parties, this in itself presents other problems in the control and management of such disputes which appear to be more difficult in arbitrations than in court proceedings.

Neil Jones is a solicitor with Neil Jones & Co of Birmingham, specialising in construction law.

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## Makeshift privy offends

AN enforcement notice was issued by requiring the demolition of a wooden shed erected on a "leisure plot" on the Vikings Estate at Seaslough, Whitstable, and as the result of an appeal against it, a DoE Inspector held a formal inquiry with evidence taken on oath at The Castle, Whitstable.

The offending building was described by the inspector in these words:

"The building... is only about 1m x 1.5m and 2m high. It is a simple wooden privy with posts set in the earth at the four corners, and horizontal boarding, the nails of which have clearly been replaced. It houses a makeshift chemical toilet."

He reported in his decision letter to the appellant:

"A building to house a toilet is not requisite for the use of the land for agriculture, in that it does not accommodate livestock, deadstock or agricultural produce."

"I accept that the building itself is comparatively inconspicuous because of its very small size, and that a toilet is a necessity for anyone working this very isolated piece of open land."

"At first sight the privy building appears so small as to be of no consequence, but I have to consider the effect on the locality if a building, and particularly a rather ramshackle building such as this, is allowed. One has only to look at parts of the Whitstable Bay Estate to see how the appearance of the area is marred if buildings are allowed."

"The exposed location and risk of vandalism makes it difficult to maintain them, and once the planning authority's strict policies are relaxed, the whole marshland is likely to be dotted with similar structures."

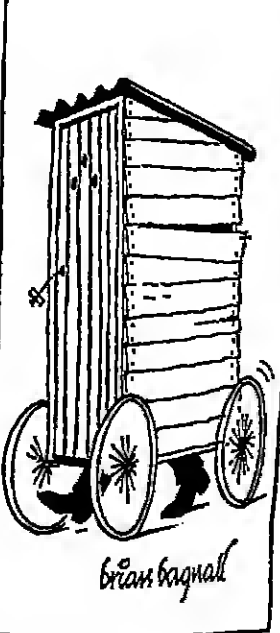
"In your case the caravan is there to provide shelter, and is large enough to house a toilet at one end."

"It may seem anomalous that a caravan is allowed and a small building is not, but a building is permanent, whereas a caravan is a chattel, which can always be

moved."

He therefore dismissed the appeal and upheld the enforcement notice.

T/APP/12210/C/85/3406/P6  
Canterbury City Council  
NB: Presumably all the appellant has to do now is to put his privy on wheels.



## Office impact

THE Commercial Union Properties (Investments) Ltd won an appeal on January 14, 1985, from the secretary of state for the development of 38-50 King's Road, Reading, and adjacent premises for an office development with some residential element.

Reading Borough Council appealed to the High Court and on June 10, 1985, the permission was quashed, because:

(a) "the secretary of state had not made it clear, or sufficiently clear, in his reasoning, whether his decision was limited to the special circumstances of this site, or was of general application, and, if the latter, how he reconciled such a decision with a local plan which purports to be carrying into effect his own structure plan policies."

(b) "he failed to deal with the borough council's contention that permission for the proposed level of office development on the appeals site would constitute a precedent for other

sites in Reading which would have the practical effect of undermining the whole basis of the Central Reading District Plan; and

(c) "the borough council had been substantially prejudiced by a breach of natural justice in this case in that the secretary of state did not afford them the opportunity to respond to two letters of September 24, 1984, from the appellant's solicitors."

As a result, the DoE invited further representation from the council.

In his decision letter, he wrote: "The secretary of state notes the evidence on the financial viability of the appeal schemes and the council's preferred mix of development, but viability is not a consideration which he thinks merits much weight in this case."

"The secretary of state takes the view that the difference in the amount of office floorspace between that proposed and that preferred by the council would not have any significant impact on housing demand or on the housing situation in Reading or central Berkshire."

He therefore, for the second time, allowed the appeal.  
APP/5128/A/83/000030  
Reading Borough Council

## Inspector sees red

A LISTED building at 11 Market Street, Hexham, had its front stonework painted white and the woodwork painted red, in what were described as "the company colours" by the occupier, Derwentside Furnishing Service.

Listed building consent was refused for this on the ground that it was "too garish" and there was an appeal on written submissions. A DoE Inspector visited the building and reported:

"The appeal premises lie on the north side of Market Street, a narrow, though important, street leading to Market Place, which is recognised as the centre of the town. The building is of two storeys in a street frontage of buildings that mostly are a storey higher. The roof is grey slate and the facade is of ashlar that has been slightly hampered. There are three bays and the sash windows at the upper level incorporate four large

panes and have flush lintels and slightly proud sills.

"This pattern is repeated at ground-floor level for the right-hand window, the rest of the facade being occupied by a three-light shop window and door and a double door."

"While the facade restored to its original stonework might, without harm, be able to accept the bright paintwork as it now exists around the sash window, in my view the downpipe and the gutter in the same colour add a discordant note and it could be argued the double doors are, in this context, too large an area for such a strident colour."

The secretary of state agreed and the appeal was dismissed.  
APP/B2925/E/85/801501  
Tynedale District Council

## Affront to history

THE unauthorised installation of upvc framed windows in a listed building at 17 Marine Parade, Brighton, was claimed to be both a breach of planning control and a breach of the listed building regulations and two enforcement notices were issued.

An appeal against the planning enforcement notice was allowed, as:

"The criteria to be applied for development for the purposes of this notice is considered to be less exacting than for 'a listed building' enforcement notice, where the test to be satisfied in section 55(1) of the 1971 Act is whether the works involved have affected the 'character' of the building concerned."

"The view is taken therefore, and as a matter of fact and degree, that the difference in the windows are not considered to be sufficiently substantial to affect materially the external appearance of the building as a whole."

But the Listed Building Enforcement Notice was upheld: "The new windows impinge on the appeal building's historic appearance," a DoE Inspector reported.

The appellant was given six months to replace the upvc windows with wooden framed sash windows similar to those which existed previously.  
APP/N1405/F/84/116  
Brighton Borough Council

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WITH one or two notable exceptions, architects have left suburbs well alone. Traditionally the undisputed preserve of spec builders, these tracts of semi-d's have long been the target of ridicule and abuse by "serious" professionals, though their proliferation is a direct reflection of market demand.

And while little thought was ever given to strategic planning, the suburbs have been an extraordinary popular success. Clearly there are significant implications of which a profession, anxious to improve its status, should take careful note.

Architects Sean Madigan and Stephen Donald are among a small number of practices beginning to use their creative talents to develop small sites that are otherwise regarded as liabilities. One such site, in an area of relatively high land values in Golders Green, offered barely enough space for a single detached house, and one boundary was formed by an embankment for twin tracks of the Northern Line.

While it was evidently possible to build on the site, the value of any house would inevitably have to be lowered by a considerable sum — the architects estimated about £50,000 — to account for the "nuisance value". Logically then, it made sense to build the most expensive house the market would stand — in this case, for a selling price of about £320,000 — in order to achieve a reasonable profit level. The fact that the architects were also joint developers of the site added a further dimension to their priorities.

"The Belvedere" is being marketed as a "one-off designer residence... well suited to this increasingly design-conscious age". As such, its imagery would be considered as post-modern — it is a complex collage of roofs and windows bays, broadly

# SUBURBAN STYLE

Ian Latham reports on a speculative "one-off designer residence".

symmetrical in its three level compact arrangement facing away from the railway lines on the north. But it's certainly not incandescence architecture; rather, there has been a careful mediation between ideal room shapes and external composition — effectively an expressionist response — with none of the gimmicks or clichés or deceptions of what normally passes as post-modernism.

The designer tag does the architects something of a disservice. What might seem fashionable on one level is also deeply rooted in the local context. Golders Green is one of the earliest suburban districts of London and the quality of its domestic architecture is uncommonly good. Nearby is the prototypical Hampstead Garden Suburb, laid out by Parker & Unwin with a wealth of fine buildings, not least being the Institute and churches by Lutyens in its Central Square. Madigan and Donald have been particularly conscious of this context and see the Belvedere as part of a tradition, both in terms of architectural form and enterprising development.

The projecting gables and articulated roofscape, the high level of craftsmanship — including an elegant etched glass bay on the rear — as well as the general ordering of priorities, place the house firmly in the arts

and crafts garden suburb mould, even if rustic sensibilities have been usurped inside by the latest in high quality European fittings, a polished granite kitchen worktop and a purpose designed modern rig to set off the Corb chaise longue and Eileen Gray table.

From a distance the house sits comfortably and convincingly in its context. It conforms with most of the unwritten rules that govern the suburb — in materials, architectural language and siting — and it responds well to longer views from the curving road and from a nearby cross-roads which it addresses axially. Circulation space has been kept to an absolute minimum by

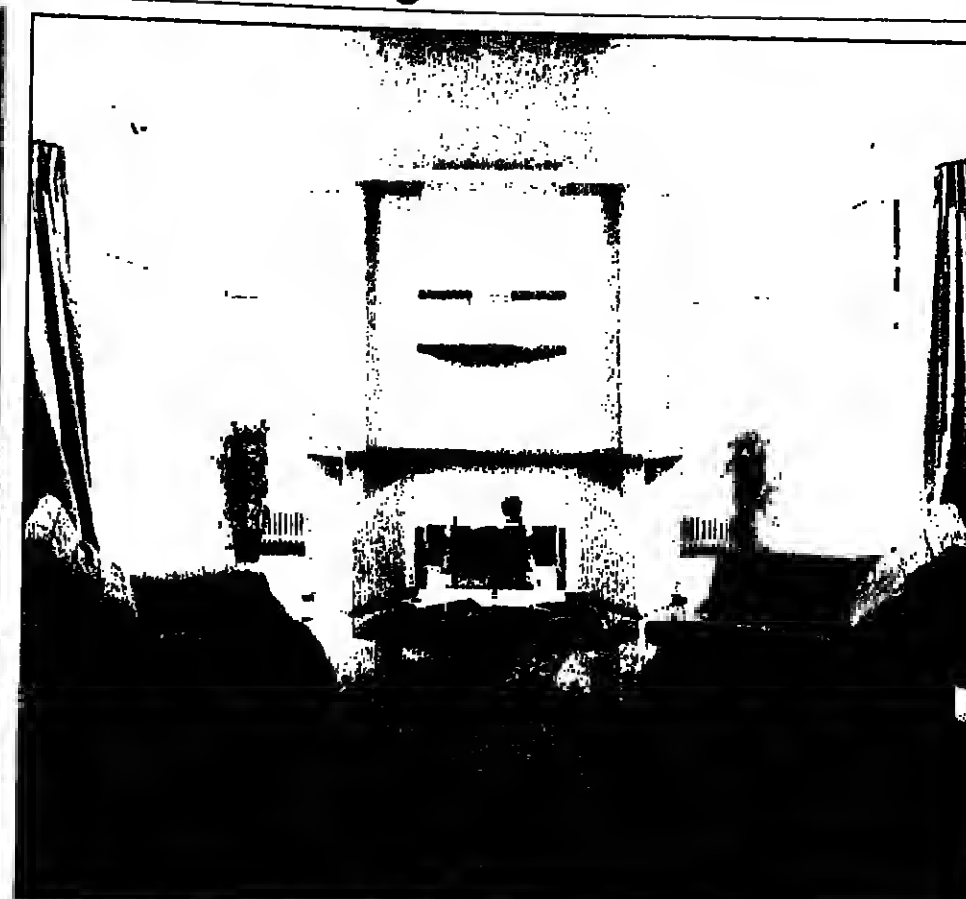
placing the staircase and hall at the heart of the triangular plan with a projecting glazed semi-circular bay forming a prominent vertical feature on the rear railway elevation.

Glass artist Ray Bradley was contracted to produce etched panels for this bay, the swirling and zigzag motifs of which accentuate the dynamism of the staircase. The central balustrade too works like a piece of kinetic sculpture, with its jazzy collage of layered steel and timber sections.

The disposition of rooms follows convention, with living areas at ground level, bedrooms above and a second-floor study or fifth bedroom up in the



View from Woodstock Road showing formal character of roofs and gables belied by the context.



Living room with fireplace room divider and conservatory behind.

space, divided by a central worktop wing with storage units above. And just as the living room floor is part polished maple and part carpet, so the kitchen area changes from tile to carpet.

The high quality of finishes and minimalist fittings and the black edging strips to the worktop and wall tiles suggest a 30s ambience that is accentuated by the tubular steel furniture the architects have selected to furnish the house. Though slightly at odds with the arts and crafts aesthetic of the main structure, this has been carried through with panache and consistency.

In these somewhat unusual circumstances, the designers have had the opportunity to indulge in their own stylistic preferences — particularly with the selection of furniture (optional to a buyer) — but they also had to invent an imaginary client, rich and cultured (and without much furniture), who could be their prospective purchaser. Speculative house building has rarely been so self-consciously stylish, but then it only needed one buyer to relate to the place, and that is what has happened, much to the relief of the joint developers.

Upstairs are four bedrooms, two with bathrooms en suite and a separate Hollywood bathroom with Jacuzzi. The master bedroom comes off best, its plan reflecting the living room below (with a terrace over the conservatory). At the sides, two elegant 12ft square rooms are formed

into the two prominent gable wings, their ceilings defined by the roof shapes. One has a triangular balcony and the other a shallow curved ledge reflecting the sweep of the latter-day Serlian window. The fourth bedroom is only 2 metres wide, but it has been planned to work as well as possible in the circumstances. The architects chose to furnish just this bedroom with a bed.

continued page 18



The current wave of new investment in the British High Street is bringing with it a new stimulus to the sign making art. As new store chains work to establish their own clear identity across all aspects of their business from merchandise to shop fitting, designers are seeking ways to reflect this personality in the external signs of the store. Today retail exteriors must reflect the originality and creativity of the total design concept. And that means sign makers are increasingly challenged with creative and technically demanding fabrications. It is in these respects that the design flexibility, colour range and technical performance of 'Perspex' will prove invaluable, in complementing the sign makers special skills. The more innovative and complex the fabrication the more essential the quality, reliability and durability of 'Perspex' become. If you'd like to know more about this most exciting and creative sign and display medium, please write to Philip Champion, ICI Petrochemicals and Plastics Division, PO Box 34, Darwen, Lancs. BB3 1QB.

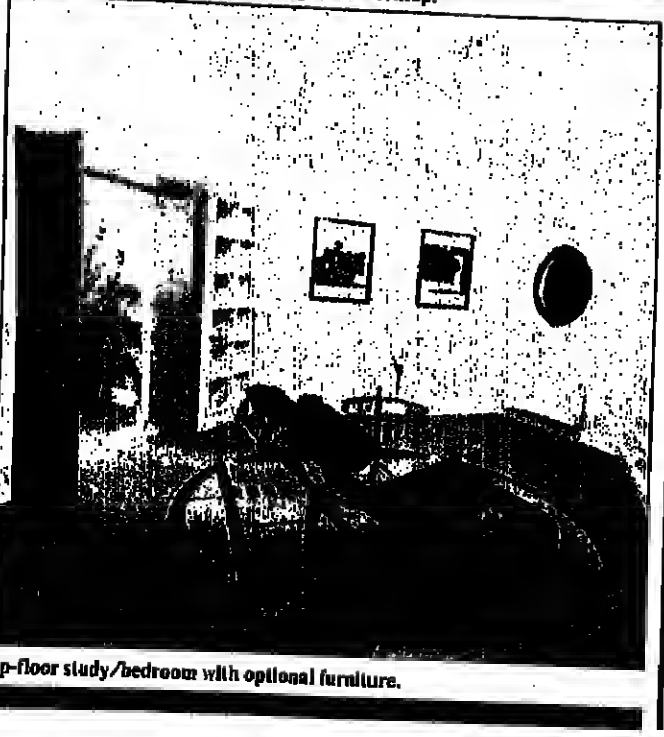
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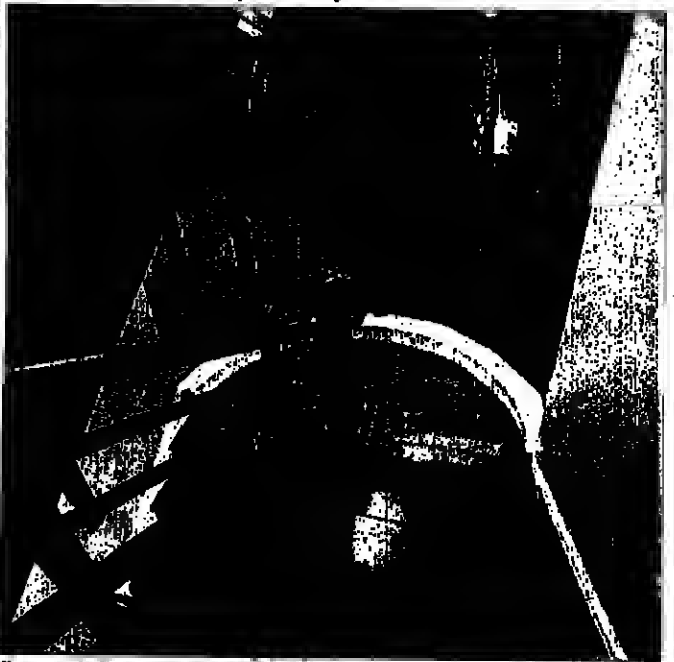
Kitchen/dining area with polished granite worktop.



Top-floor study/bedroom with optional furniture.



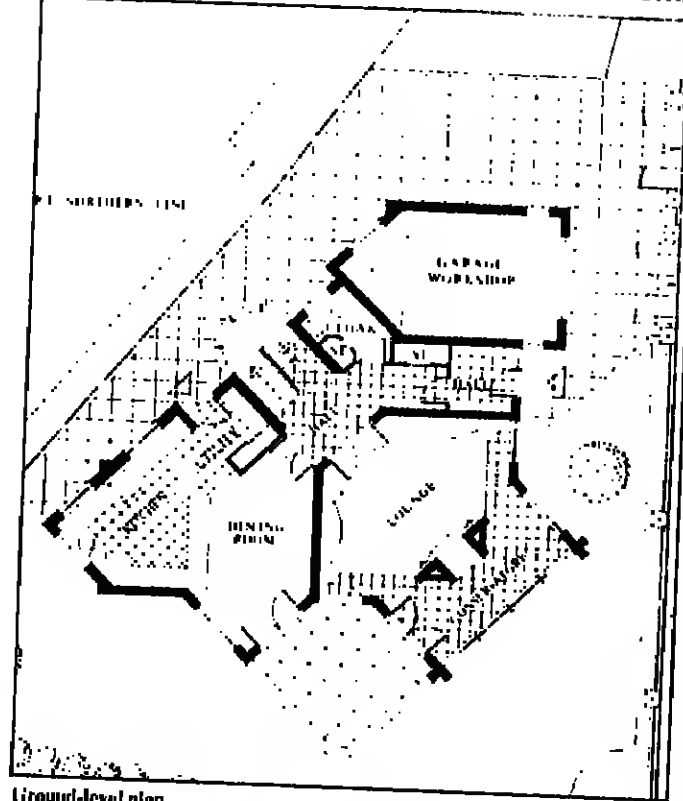
Main bathroom with whirlpool bath by Jacuzzi.



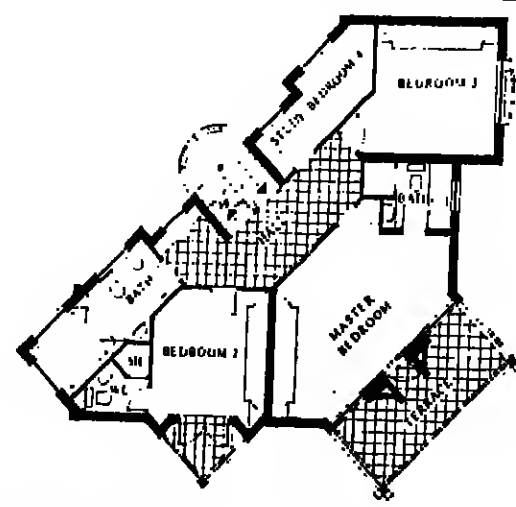
Purpose-built staircase with glass bay by Ray Bradley.



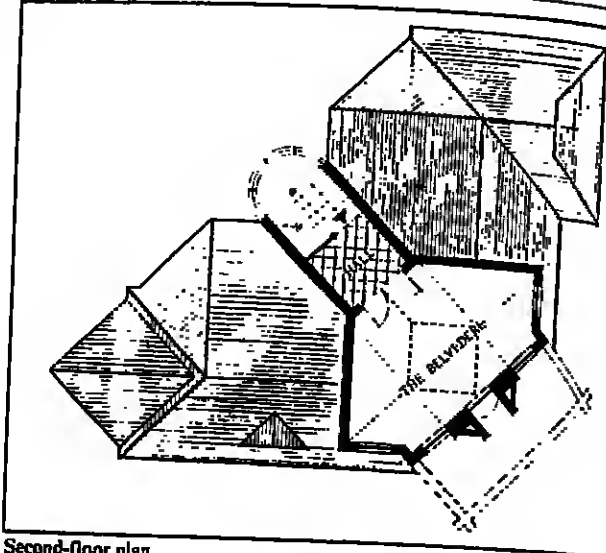
## Buildings



Ground-level plan.



First-floor plan, from page 17.  
The fifth bedroom (or the Belvedere) is up in the top of the house, the destination of the spectacular staircase, and its shape again reflects that of the lounge. With windows on three sides and a pyramid roof light at the apex, it is the lightest and brightest space in the house. In



Second-floor plan

## Suburban style

its centre the architects placed a Corbusier chaise longue and Eileen Gray table on a specially commissioned round rug, cult Modernist designer objects at the end of the pilgrimage route

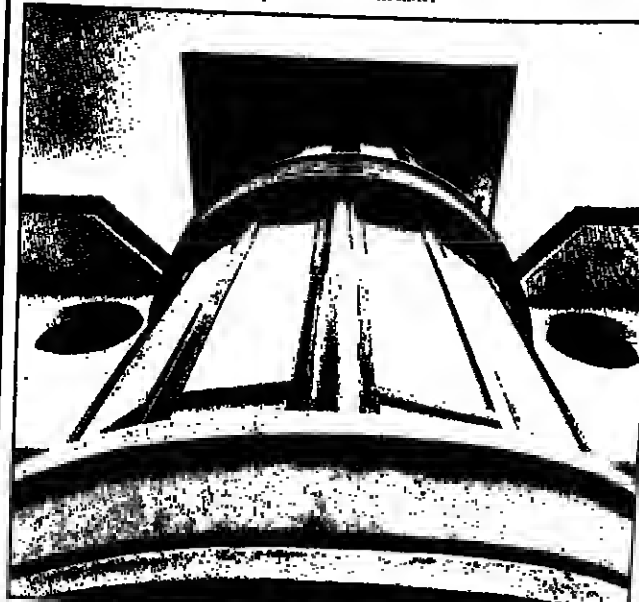
just in case visitors had suspected post-modernist heresy along the way.

It is important to note that "The Belvedere" is not intended to indicate a universal architectural solution, its contextually derived form, perhaps grotesque and whimsical in isolation, is simply a response to the good qualities of the suburb and a reaction to its limitations. It is reassuring that Madigan and Donald received full backing from Barnet's planning department in their endeavour.

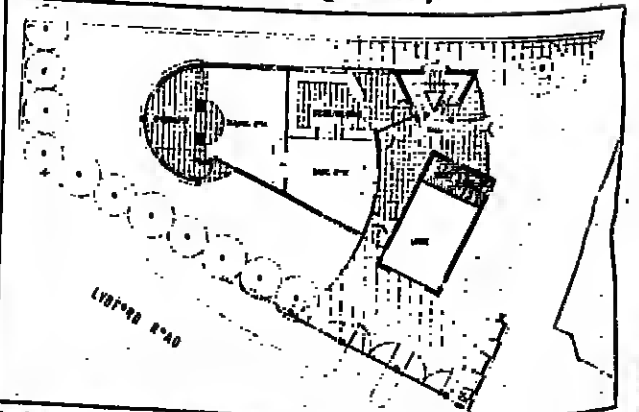
The practice has just started on site with a similar design-build scheme for a house in the London Borough of Brent for Town & Country Properties.

The site is again triangular but the response, with its vocabulary of flat roofs, round bays, windows walls and porches, is distinctly Modernist. The fractured and inventive internal planning nevertheless establishes the connection with The Belvedere. And it's this thread that promises to inspire future Madigan and Donald projects.

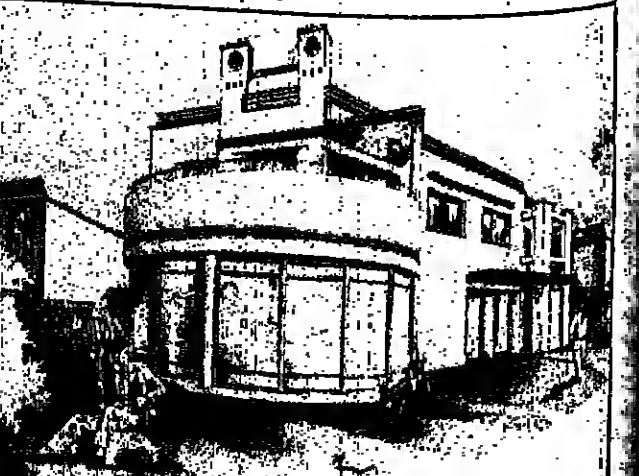
The Belvedere, Woodstock Road, London NW11. Contractor: Town and Country Developments Ltd. Assistant: David Crosswell. Engineers: Michael Chester Assoc. Glass artist: Ray Bradley. Landscapes: Keyes Brothers. Rug: John French. Photographs: David George and (centre) Peter Bullen.



Up view of staircase window bay facing the railway.



Lydford Road house, ground plan.



Perspective view from street corner drawn by Angus Kennedy.

## LTA INDOOR TENNIS COURTS



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Applicants should demonstrate previous experience in the design/construct field and should be able to co-ordinate construction of projects in different parts of Great Britain simultaneously.

A general briefing document is available from the LTA. Upon submission of the applications a short list will be drawn up and chosen applicants will be asked to give a presentation of their costed proposals.

Please write for further details to Phillip Sandilands, LTA, Barons Court, West Kensington, London W14 9EG or call 01-386 2366.

Closing date for initial applications is 7 July 1986.

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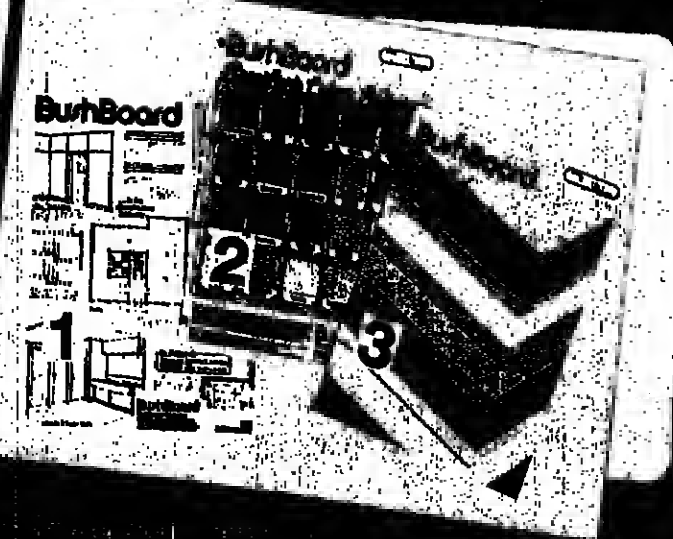
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# ART OF THE ARCHITECT

The Society of Artists in Architecture is holding its annual exhibition at the RIBA, from June 3 to July 12. We preview some of the exhibits.

"I BELIEVE all architects should be able to draw — it seems to me to be synonymous with being a good architect," says David Rock, new chairman of the Society of Artists in Architecture. Rock is applying a new brush to the society, hoping to boost its membership and change the emphasis of its members' work. "The work that we show is not portraiture to architects," he says. "It does not look very much

different from that produced by any other art society, and we are rather 2-D orientated, with a lack of sculpture and other work." His aims include extending the range of approaches to art and promoting the fact that architects alone of the building team have an art background. This year's exhibition will include a greater mix of work than previously, from abstracts by Richard Pilke to oils, watercolours and straight architectural drawing.

tural drawing.

"Drawing is a visualisation process for oneself," says Rock. "It heightens the awareness of space and form, and of colour, textures and the effects of weathering — so many architects and architectural students think and draw in black and white. Drawing similarly emphasises the value and role of detail and of the building's setting and environment. "Also, interest in art adds another set of values to

architectural thought. Generally, however, the whole process of drawing seems to me to do with reality and an awareness of the real thing.

"That is why I am apprehensive of the effect on architecture of the fashionable minimum line architectural drawing. The best people at it, like Birkin Howard, see past the line and know what they are drawing. Many copiers of the style, but not the skill, do not."



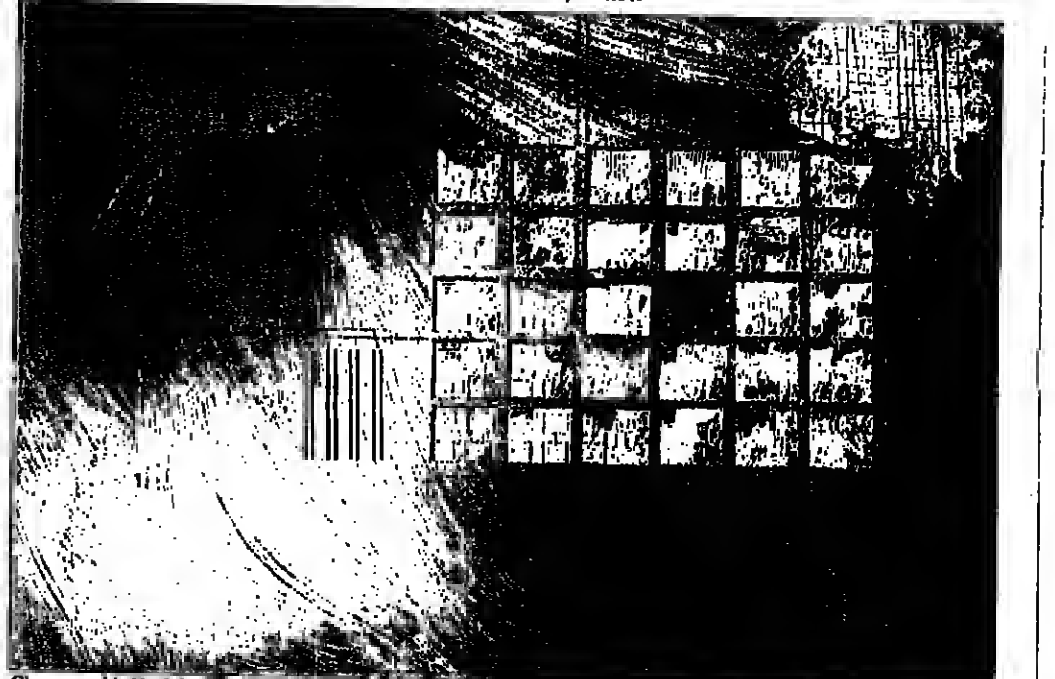
Church Edge, San Gimignano, by David Rock. Pencil and watercolour.



Above: Bathers to Tuscany, by Philip Pank. Oil. Right: Indolent Tendency at Gore Hill House, by Brian Thadon. Oil. The



were all members of the GLC housing architects group.



Choreographic No 2, by Winston Ramet. Oil on board.

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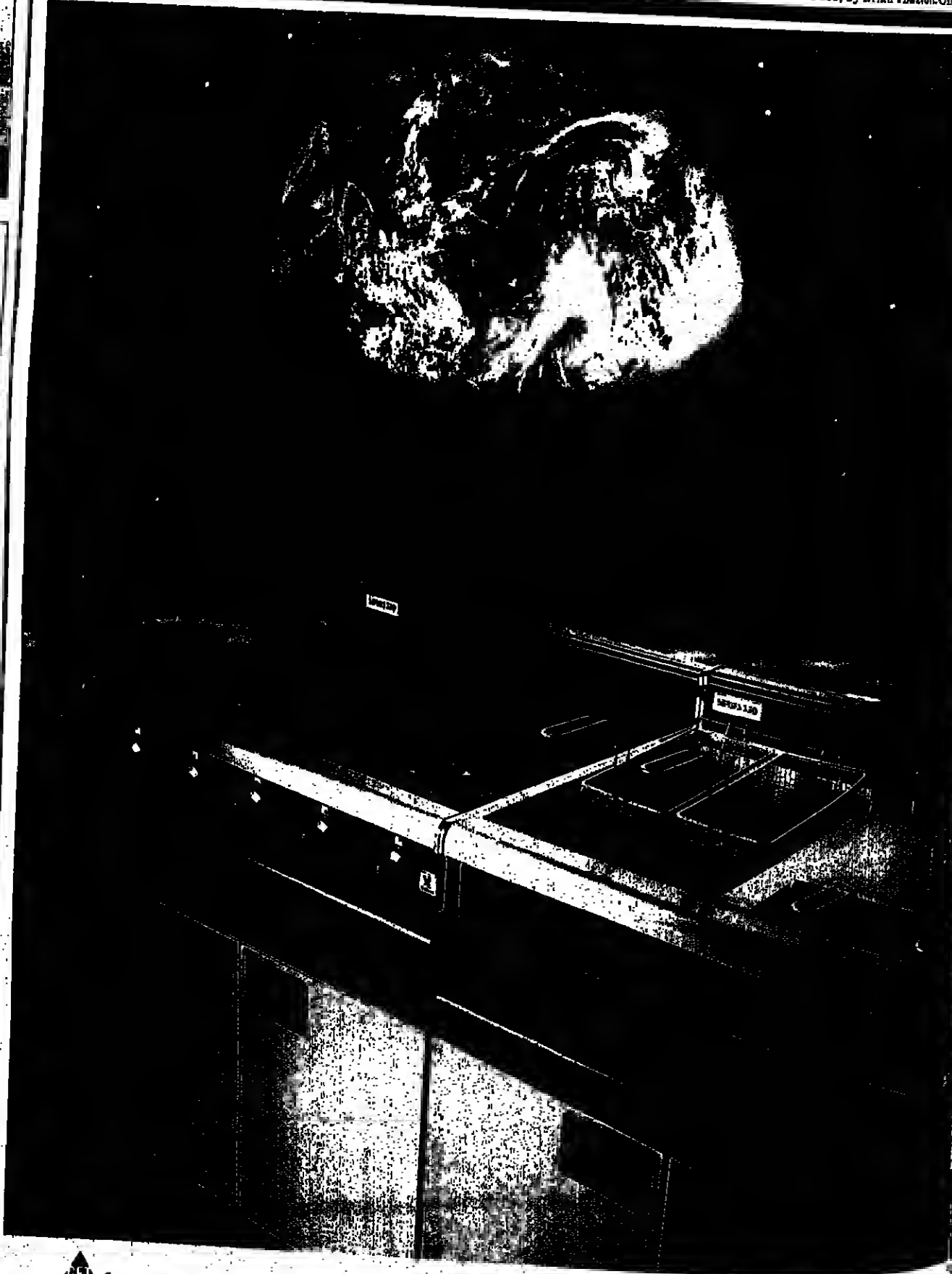
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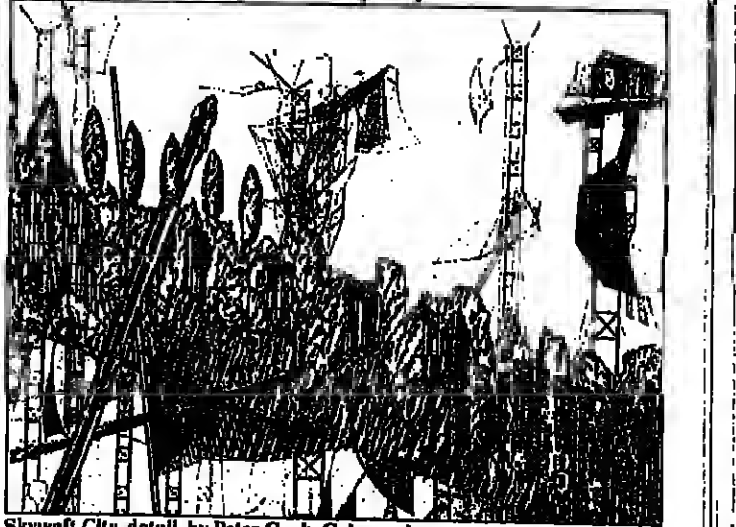
**British Gas**



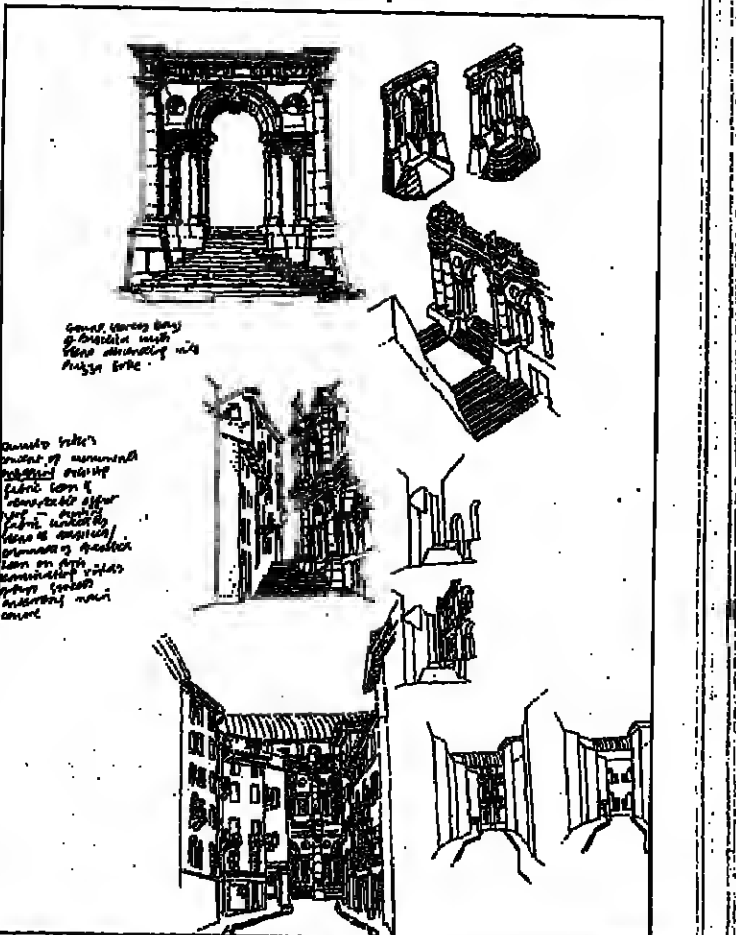
DESIGNED FOR THE FUEL OF THE FUTURE



Use of Dogs, Docklands, by James Utting. Crayon.



Skywalk City, detail, by Peter Cook. Colour print.



Vicenza, by Richard Reid. 0.2 Rapidograph.



Alva Sornedi, by Philip Pank. Oil pastel.

India: Khajuraho, by Charles Gutter. Engraving.



St Martin's Lane, London, by Francis Tibbatts.

مكتبة



# TURKISH INSIGHTS

1987 is the UN's International Year of Shelter for the Homeless. Stephen Trombley attended the annual meeting of the Habitat International Council — the non-governmental committee on human settlements — in Istanbul.

**THIS** year's Habitat International Council meeting opened under a cloud. There were the usual last-minute organisational problems, but these were as nothing compared with the concern one might have felt at Istanbul's relative proximity to Chernobyl.

So it was against a background of press warnings not to drink the milk, to avoid rainwater, to clean one's shoes well in country areas and to shower regularly that IHC president David Hart opened the proceedings. Only peace-keeping was more important than the problem of human settlement, he began. "It is to the shame of the better off governments that they have not committed themselves more to the recommendations of the 1976 Habitat conference in Vancouver," he continued. "Governments should contri-

The role of women in human settlements was high on the agenda. David Hall summarised the problems: Women are often ignored because they live and work in the informal sector which, he argued, receives no economic recognition or status. Shelter decisions are often made in the formal sector. There is little dialogue between the two sectors. But, at the community level, women stand at the head of informal organisations which are characterised by clear and effective structures and networks. Women, therefore, can act as key factors in bringing together the formal and informal sectors in an effort to achieve truly community based solutions to shelter problems.

The value of informal sector roles was highlighted by Michael Cohen, a World Bank adviser on water and waste.

management and urban problems. He asked whether so-called appropriate technology was always appropriate. The water programmes, for instance, the basic choices are between the "appropriate" technology of the hand pump, and the "Western" technology of mechanical pumps and pipe networks. The hand pump is cheap and requires little maintenance. The mechanical system is expensive and needs looking after. But he cited an example from Burkina Faso where, under the traditional "appropriate" technology, some women spend up to eight hours a day fetching water. Multiplied annually, it represents thousands of hours. Perhaps the price of "appropriate" technology in such a case is the absolute devaluing of women's time.

Dr Anje Wiersinga argued, "women are the main users of housing. But their participation

usually begins where planning and building ends". Women, she argued, had three priorities: children, house management and income generating work. "The house itself determines how much time women can spend earning money," she said. By involving women in the planning and design not only of houses, but of communities, their potential can be unlocked for the benefit of all.

It is an acknowledged fact and not just in Third World countries, that women's income is necessary. But everything conspires against it. Child care facilities are often non-existent. Public transport tends to operate an early hour, when men go to work, leaving women virtually stranded by the time they have finished with children and housework. If, as a result, it takes a woman two or three times longer to reach her place of work, it is an important factor in

The conclusions to be drawn from these observations, Wiersinga warns, are that "human settlements will continue to have a low priority until the value of women's skills and participation is recognised; and if you improve housing, you improve the economic performance and productivity of women, and therefore, the national economy."

John F C Turner introduced the non-governmental organisations (NGO) case studies project, of which he is co-ordinator. Some 30 cases from Africa, Asia, the Americas and Europe are being thoroughly documented.

Researchers working in communities will be preparing documentation in the form of articles, slide shows and posters, as well as very detailed studies aimed at the professional, in time for 1987. Introducing the project, Turner said its purpose was "to raise global awareness or problems, solutions and activities". He warned against interpreting "homelessness" literally. "Homelessness," he said, "is also lack of community, of neighbour-hood."

Turner's approach is "bottom-up" rather than "top-down," is, people deciding their needs and priorities (there are, after all, the experts on their own experience) and working with professionals and government to achieve those needs, rather than solutions being imposed from on high — either from government, or from international aid agencies. The space, time and energy needed to make communities work comes largely from what he calls the "third sector" — the first sector being government, the second being the market. And, he added, women are more often than not the key to the third sector.

Turner stressed that the importance of the NGO case studies was that they are applicable to the First World as they are to the Third. Professor Reimer Ernst briefly presented the case study he has organised in Kreuzberg, West Berlin. Here, in a bomb-damaged and forgotten part of the city near the wall, the elderly lived cheek by jowl with the new influx of Turkish "guest workers" and young squatters. The neighbourhood was the scene of violent confrontations between police and residents and angry squatters attacked banks and other institutions which refused to fund a participatory renewal of the area. In the end, the community's objectives were achieved, along with a change of government policy on housing. The houses have been selectively restored rather than bulldozed, and the community based approach has generated a new economic network of successful small businesses.

The relevance of the community based approach to urban problems was well illustrated by the city of Istanbul itself. Mayor Bedrettin Dalan explained that, in a city of 6 million, 2.5 million lived in water settlements—nearly 42 per cent of the population. Dalan is an engineer by training, and himself the producer of a water settlement. Simultaneously, he is pursuing a billion dollar programme of cleaning the Bosphorus and creating a landscaped area along its European and Asian shores and planning for the legalisation of water settlements all over the city. There has been a fair

19th century wooden housing. S201

amount of bulldozing along both coasts of the city. But, within the city itself, ownership licences are being granted. Of the squatter settlements, Dalan says: "Our houses are alive. They grow, they develop. They become, in time, modern buildings."

Of real interest was the work of Kent Koop, an Ankara-based cooperative which is the largest in Turkey. While some members of NGOs would argue that its close links with government make its claim to participation questionable, there is no doubt that it is having a dramatic effect on Turkey's housing problem. It is providing rental housing for the first time in Turkey, and is also launching a programme of five and 10-storey high-rise blocks which are handed over to residents 70 per cent complete.

The residents finish them off as their time and pockets allow, enabling an earlier and cheaper occupation.

Kent Koop argues that by the year 2000, three out of four Turks will live in cities — an urban population of some 20 million. The housing requirement will be five million units, with 3 billion sq m of urban land area for building.

An interesting aspect of Kent Koop is that, in addition to manufacturing building materials and operating construction companies, it has also created a labour co-op — Turkey's first. Because so many urban dwellers are recent immigrants to cities, their labour is required in their home village at harvest time. The result is that, during two peak building months, there is a daily labour shortage in the

**Squatter housing in Istanbul. Development has created comfortable dwellings.**

construction industry of 4,000 in Ankara alone. In association with the government, Kent Koop has organised informal mining in construction so that there is a year-round pool of labour available.

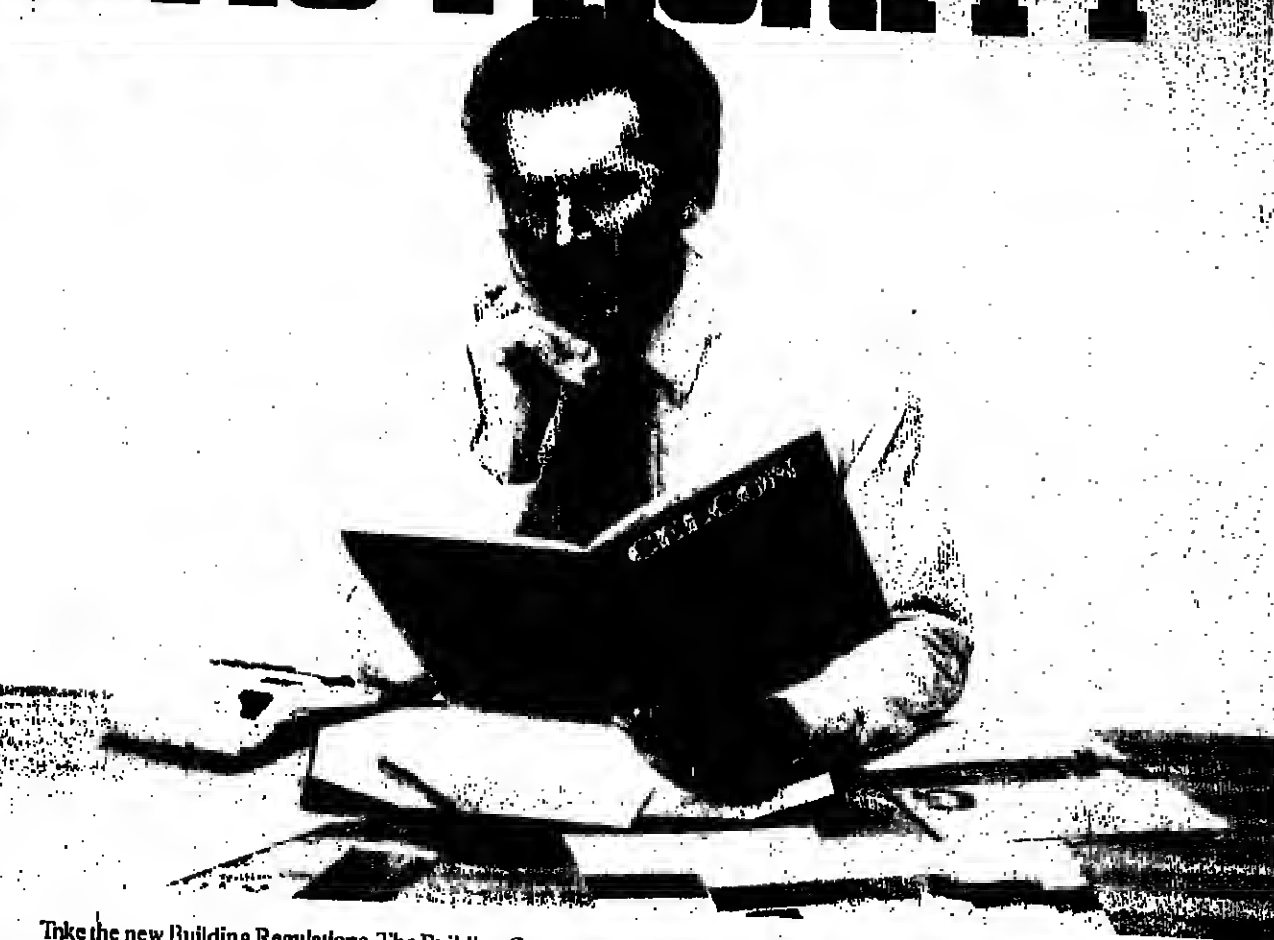
Representatives of NGOs took part in the paper given by Dr Arun Ramchandran, executive director of Habitat. Ramchandran, who was feeling, offered a recognition that NGOs had a vital role to play in human settlement, in relation to Habitat, governments and the market. Marking the 1976 Vancouver conference as a watershed in the history of human settlement, and recognising the importance of the NGO case studies to be published in 1987, and of the conferences which will be held in the UK, Germany and other venues, Ramchandran said that the 1987 Habitat meeting should be devoted to an action plan "to meet the target of shelter for all the poor by the year 2000".

*Stephen Trombley is producing a series of five one-hour films on the housing problem worldwide, using case studies prepared by Habitat International Council's NGO Habitat Project.*

Above and below: Istanbul is now poised to legalise large areas of squatter settlement.

A high-contrast, black and white photograph of a city skyline at night, viewed through a window. The skyline is silhouetted against a bright, textured background, possibly a cloudy sky or a light source. The image is framed by a dark border.

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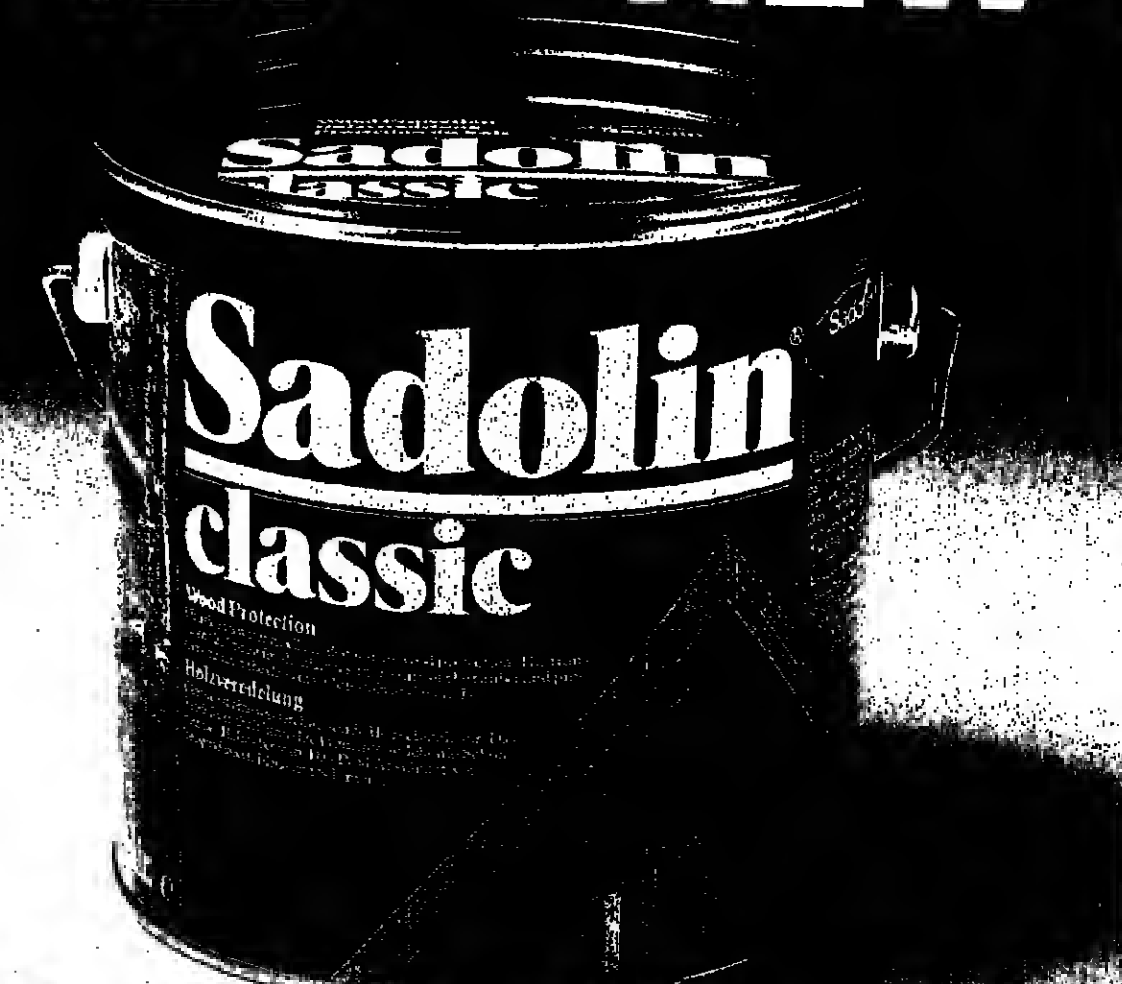
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## Handy Scots guide

By Richard Carr

*Stirling and the Trossachs*, by Charles McKean, (The Royal Incorporation of Architects in Scotland and The Scottish Academic Press, £3.95). *Scottish architects in conservation* (Conservation Bureau, Scottish Development Agency and the Royal Incorporation of Architects in Scotland, £7.50).

CHARLES McKean's guide to Stirling and the Trossachs follows the pattern successfully laid down by the RIAS-inspired guides to Edinburgh and Dundee, which so far have sold 10,000 and 6,000 copies respectively.

The books are small in format, so fit easily into a

pocket or the glove compartment of a car, and are extremely cheap. Their approach to architecture is to be both informative and journalistic — one might almost say chatty — so that background information is given on local history, literature, personalities etc, also illustrated, to put the buildings into a much wider context than a mere definition of their styles and most important features would do.

The trouble about Stirling,

however, is that once its early history has come to a close, nothing much seems to have happened in this town at the gateway to the Scottish Highlands, so that the guide leans more heavily on the architecture than its predecessors, and this too is perhaps less interesting than in places such as Edinburgh or Dundee.

Certainly there is less variety, and what there is, is more traditional Scots. Thus it is a pity that the author missed the opportunity to note, for example, that Stirling Castle was used as the backdrop for the BBC tv series "Colditz"; that what remains of the field of Bannockburn has almost certainly been covered by a sea of extremely undistinguished council housing (so much for Scottish respect for their history); that the National Trust for Scotland's visitors' centre at Bannockburn is typical in its style of National Trust centres throughout Scotland; and that Stirling University is yet another out-of-town green field site which, because it is divorced from its nearest town (like Sussex, for example), makes many of its students feel isolated and become ill as a result. Beautiful in summer, it can be very cold and bleak in winter.

Nevertheless, allowing for the prevalence of a more traditional Scottish architecture than in the other two areas mentioned, there are plenty of beautiful and interesting buildings to see around Stirling and its hinterland.

They range from castles like Balquhider, Doune and Edinample, tower houses like Old Sauchie and laird's houses like Auchinbowie, Gargunnoch and Leche, to classical houses like Catter, Garden, Garten, Touch House and Wrightpark, neo-Gothic mansions like Blair Drummond, mills like the Royal George in Bannockburn and particularly Scottish institutions like the Hydro at Dunblane (now, unlike the Hydro at Crieff, no longer "dry"). It is amazing to find a big hotel in Scotland that still has no bar!

There are also many fascinating places. Bridge of Allan and Dunblane, for instance, are fine examples of mainly Victorian development and still beautifully maintained (while the cathedral at Dunblane was especially admired by John Ruskin). Deanston is a miniature version of New Lanark; and at Kilmarnock there is a house designed by Charles Rennie Mackintosh in an Arts & Crafts "Cotswold" style (reflecting the influence, McKean notes, of the architect's forceful wife); while Griblock is probably the largest "International modern" house in Scotland, designed by Sir Basil Spence and Perry Duncan from 1937-39 for the Colville steel family. It could have been yours a year ago for around £150,000. It has a flat parapet and invisible roof, and porches in the outbuildings, and is described by McKean as "Regency Hollywood". Like the bulk of the entries in the book, all these are illustrated, and also included is a map which, to-



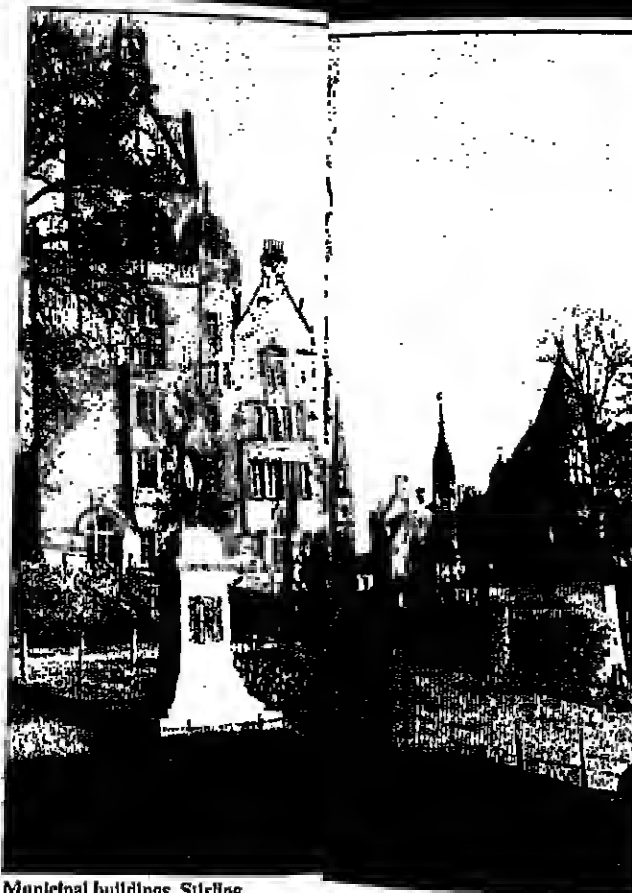
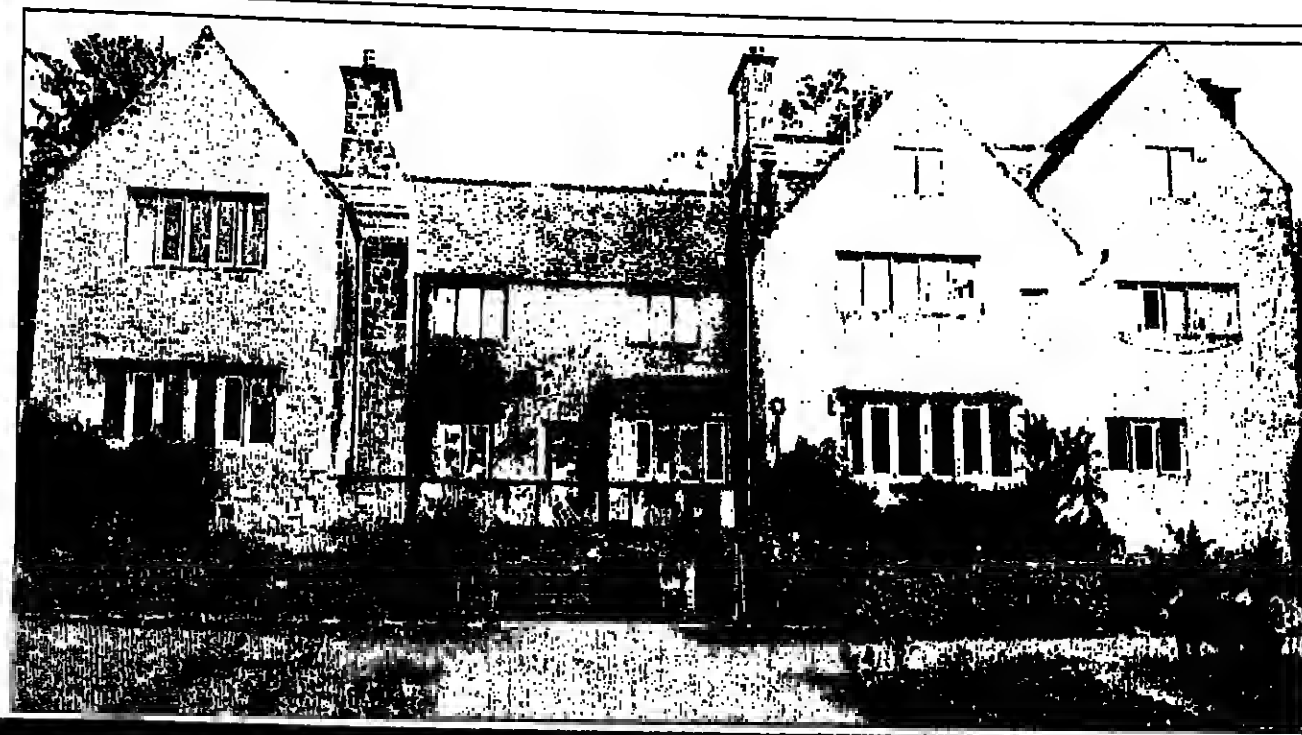
Auchinbowie House, Stirling.

gether with an index and cross-referencing in the text, makes this a very handy and extremely comprehensive guide to the area.

Also produced by the RIAS, and this time with the Conservation Bureau of the Scottish Development Agency, is *Scottish architects in conservation*, which is described as "a unique directory listing the most important works of building conservation in Scotland over the past 15 years". There are in fact more than 1,000 of them, carried out by some 150 architectural practices, and about one quarter of these are illustrated by photographs, drawings and plans. They range from the restoration of castles like Peffermill and Thirlestane and grand houses like Hopetoun and Chatelherault, to much more humble dwellings like the 16th century manse in Anstruther (which I reported in *BD* some years ago), and tower houses in Edinburgh, Kirkcaldy and Bo'ness.

There is also the ongoing work at New Lanark, the rebuilding of the Grosvenor Hotel in Glasgow (which I also reported in *BD*) and the conversion and restoration of dock buildings in Leith, not to mention the Dunmore Pineap-

Above: Griblock, built by Basil Spence and Perry Duncan, 1937-39. Built for the Colville steel family, it is probably the largest "international modern" house in Scotland. Right: Mackintosh's "Cotswold-style" house in Kilmarnock.



Mackintosh house, Kilmarnock.

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## North-west region no longer unloved

DESPITE the reports one is inclined to read in the press, the building industry in the North-west is not as dead as one might expect. This certainly comes across in the scramble that has taken place for exhibition space in the new G-Mex Greater Manchester Exhibition Centre, which will be the home of the first Building North West exhibition from June 3-5, 1988.

Over 200 exhibitors are expected to take part in Building North West. In fact, when last I checked with the exhibition organisers there were only 90sq m for room for about five standard stands still going begging — vindicating the organisers' confidence that buoyancy in the region was sufficient to make this show worthwhile.

Generally the region has

welcomed the arrival of a new exhibition devoted to the North-west. For so long anywhere north of Warrington has been the Birmingham L. Vinton Centre, the line of demarcation between the loved and the unloved has moved further north. Lancashire, though, still sees itself firmly set in the area of dry unloved.

Maybe Building North West will change all this, with its National Lego Championship finals, apprentice bricklayers' demonstration and special British Rail display — particularly appropriate bearing in mind the original use for the G-Mex building.

Harold Hudson

For further information on the products on these pages, fill in and return the enquiry card.

### QS computer

DIGITAL Building Systems' estimating software was originally developed with the medium-sized contractor in mind, although its inherent flexibility makes it adaptable to small or large organisations. It has been developed with the aim of eliminating time-consuming work with the system resembling, as closely as possible, conventional operations. Most recent addition to Digital's range is the Bill Production software.

Enter 100 ON EXPRESS ENQUIRY CARD

### Chemicals

THIRTY years' experience lies behind FEN (Grentham) and its skill in the formulation and production of construction chemicals — ever since Febmix Admix. In fact, the world's first resin based air-entraining mortar plasticiser. Now its products number over 150, each formulated for a specific application.

Enter 101 ON EXPRESS ENQUIRY CARD

### Estimating

DEMONSTRATED on the Manifest stand will be the computer-aided estimating and valuation system of the same name. This is said to eliminate much calculation and clerical work, while still leaving the user firmly in control. Such operations as comparison of subcontractor quotes, production of valuations with detailed information and the preparation of Bills of Materials can be quickly undertaken. It is claimed, within a few hours of receipt of the package.

Enter 102 ON EXPRESS ENQUIRY CARD

### Wood burner

EACH one of the wood-burning heaters manufactured by Talbot's Heating will be on show on its stand. Five in all, these heaters comprise two space heating stoves, ideal for the small workshop or greenhouse, and three larger models for workshops of 200sq m and upwards. Talbot's has been working in this wood-burning sector of the heating business for about 10 years, allowing companies to save heating costs, as well as the cost of waste disposal.

Enter 103 ON EXPRESS ENQUIRY CARD

### Floor tiles

DENNIS Rubson, the quarry tile specialist company, will be showing four new products. Quirndunum is an entirely new unit-size tile with an aggregate added to its surface to reduce the risk in wet or dry conditions. Rubson Rusticoid Rubson Red pavers in two thicknesses have been launched to complement the traditional quarry tile range. The final two introductions are a heavy duty 194mm x 194mm x 25mm tile and Rubson Ironspot, a quarry tile with an interesting new blue/brown colouring.

Enter 104 ON EXPRESS ENQUIRY CARD

### Switches

HIGHLIGHT of the Wandsworth Electrical display will be its new switch range — the Series 2000 — which features double insulated rockers. X rating mark suitable for switching fluorescent lighting loads up to 20amp and a 3mm gap between contacts to comply with IEC 669-1. Complementing the range are new neon indicators, key switches, switch fuse connection units, touch dimmers and hinge lid socket outlets. These items are backed by a wealth of other electrical equipment.

Enter 105 ON EXPRESS ENQUIRY CARD

### M & E services

HEATING, ventilation, air conditioning, fire protection, controls, combustion, electrical lighting and power and refrigeration — all these are the business of M/JN Maintenance, the M & E services company of Staveley Industries. On its stand it will be demonstrating its skill in such subjects as energy conservation, total building management advice and 24-hour alarm facilities, which it can provide to any building in the UK.

Enter 106 ON EXPRESS ENQUIRY CARD

### Cladding

AGGREGATE-fused gyp cladding panels suitable for exterior use will be on show on the Cape Stenn stand. Available in eight natural colours and three aggregate sizes, Stenn panels are lightweight, durable (20 years-plus life expectancy), maintenance-free and unaffected by climate extremes. They are rot-proof and immune from insect and vermin attack. This form of cladding has a Class 0 rating to the Building Regulations and has been awarded a BBA certificate.

Enter 107 ON EXPRESS ENQUIRY CARD

### Mobile phones



TRANSMOBILE will be at the show demonstrating its extensive range of cellular radiophones which stretch in application from control of a JCB fleet on site to conventional car phones. Transmobile is an authorised dealer and installer from British Telecom Mobile Phone, Motorola and Vodafone. Its wide choice of equipment allows it to cater for particular requirements, backed by service and maintenance support. Facsimile units will also be on display.

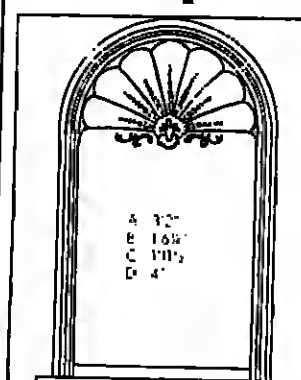
Enter 108 ON EXPRESS ENQUIRY CARD

### Mortar etc

TILCON has reason to feel a special affinity with Building North West, since many of its products were used in the redevelopment of the Central Station to create G-Mex. The new brickwork, built to match the old, used Ticon coloured mortar. Ticon's contracting wing surfaced the external access roads and 2000 tonnes of wet-mix concrete sub-base from one of Ticon's plants was used under the lorry park. Most of its products and services will be represented on its stand.

Enter 109 ON EXPRESS ENQUIRY CARD

### Fibrous plaster



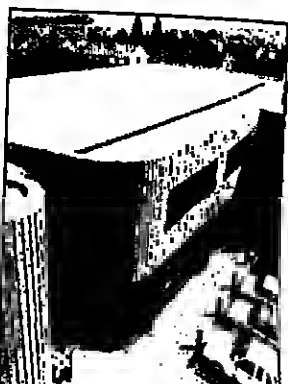
A & S Wallace, expert contractor in fibrous plaster and other plastering and ceiling work, will be taking the opportunity of Building North West to promote its fibrous plaster mouldings. These can be supplied as a series of standard components, including 10 cornice, six panel mouldings, four ceiling centres, four brackets and two niches. Also special shapes can be produced on demand. Wallace is also expert in the repair and reproduction of old fibrous plaster work.

Enter 110 ON EXPRESS ENQUIRY CARD

### Roofing

MR24 aluminium and steel standing seam roofing will be the chief talking point on Heveate Construction's stand. This continuous skin roofing has a 360 degree double lock seam which is formed by one pass of the "Roof Runner" device. No penetration of the sheeting is made by the fixings, attachment being made by stainless steel clip-tabs which become an integral part of the double lock seam. This system allows thermal movement to take place. MR24 has a SBA certificate.

Enter 111 ON EXPRESS ENQUIRY CARD



### Distance measuring



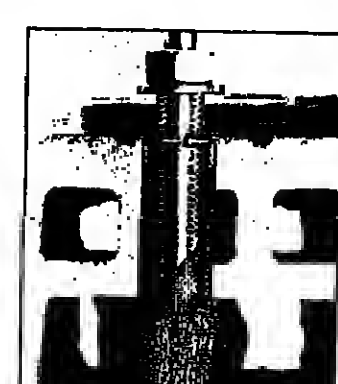
ELECTRONIC distance measuring instruments of Swedish origin will make up the Gentrionics display. Most have a built-in, one-way communication facility which allows the instrument operator to speak to the person running the reflector station. Instruments are either of the mount-on-variety for use with conventional theodolites or Total Station units. The former include the recently introduced Gendimeter 220, which is a miracle of miniature design; the latter include Model 136 for building work and Model 140 for land surveys.

Enter 112 ON EXPRESS ENQUIRY CARD

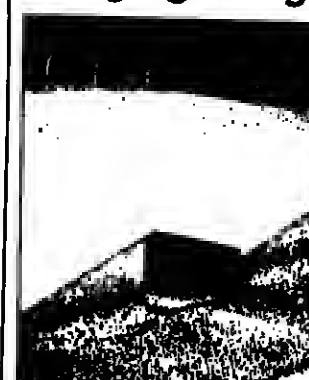
### Fixings

HILT (G. Brial) doesn't base its travel far to exhibit its extensive range of electro-pneumatic drilling machines and fastening systems at the Manchester Exhibition Centre. Included among the power tools on show will be the recently launched lightweight TE10 rotary hammer drill for drilling small to medium sized anchor holes. Relative newcomer to the fastenings range — the HIT injection system — will also be on show.

Enter 113 ON EXPRESS ENQUIRY CARD



### Tough glazing



WARWICK and Bailey is expert in manufacturing vandal-resistant glazing in a number of forms and has been for a number of years. Some examples of these products will be on show, together with gip replacement door canopies and a new product range — the Trepac-Volkem range — consisting of maintenance-free cladding, anti-vandal drainage covers, security rooflights, anti-barricade glazing and custom-built rainwater disposal systems.

Enter 114 ON EXPRESS ENQUIRY CARD

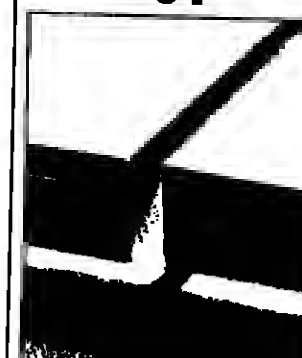
### Eaves undertiling

CHIEF exhibit on the Marley Waterproofing stand will be its newly introduced Eavegard polymeric eave undertile detail which is said to solve the problems of sarking rot at eaves level and sagging on the felt. This sheet membrane is nailed under the sarking felt and slightly overlaps the gutter. Also on display will be a selection of Marley Waterproofing's products, supported by its improved technical literature.

Enter 115 ON EXPRESS ENQUIRY CARD



### Roofing products



THREE additions to J & D Raynes & Sons' arsenal of roofing products will be on show at G-Mex — Rayflex Plus aluminium solar reflective paint, Raydek Plus insulated roof decking boards and Flexobit torch-on waterproofing membrane. The former is suitable for spray application to standard bitumen or modified felt. Raydek achieves a U value of 0.33 on most roof constructions; and Flexobit can be applied at temperatures down to 20 degC and has an amazing 1,000 per cent elasticity.

Enter 116 ON EXPRESS ENQUIRY CARD

### Concrete bricks

BECAUSE Edenhall's engineering quality concrete bricks have just received an Agrément certificate, they will make up a major section of this company's display. Also on show will be a full range of smooth, weathered, rustic and split-faced facing bricks, as well as concrete blocks, such as the Polybox insulating block and the Noisemaster acoustic block. Pavers, too, such as the Piazza rectangular paver and the shaped Quadrapave and Edge pave, will be on Edenhall's stand.

Enter 117 ON EXPRESS ENQUIRY CARD



### Merchant

TILL and Whitehead, a well-known Manchester-based builders merchant, will be showing for the first time in this country the Cotax electronic site level, which is designed for one-person site levelling marking operations. Other goods on the stand will include security products, architectural ironmongery, hand tools, fastenings, power tools and shelving systems.

Enter 118 ON EXPRESS ENQUIRY CARD

### Pu windows

ON show for the first time in the UK the Radbury Window Company's new Isopur polystyrene windows will take pride of place on its stand. With outstanding thermal and physical properties, these windows are well suited to commercial applications where long term efficiency is important. Supporting the new arrival will be Radbury's Economy range of upvc windows.

Enter 120 ON EXPRESS ENQUIRY CARD

### Ventilation

PRODUCTS involving ventilation will be shown by Uflow, its complete ventilation package from roofspace items to underfloor vents, Celeste roof lights and Universal skylights. Newest device of all on the stand will be the uPVC Ubsol ventilation and soil pipe terminal with its special fixing device which ensures its quick and easy positioning on site. Ubsol items are available in three toning colours.

Enter 119 ON EXPRESS ENQUIRY CARD

### Dust control

YEARS of experience in dust and fume control will be demonstrated by Indusvent Engineering on its stand. This company supplies Moldow filtration plant and allied silos and boilers which can be used in large woodwork control plants, with complementary space heating. If required, in addition, Indusvent has its own range of filters with various format options, specifically engineered to suit the smaller woodworking operations.

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## Insulation problem?



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The experts' solution for pitched roof insulation. Roofmate\* PR sarking board is installed at rafter level, partly overlapping and sloping between the rafters. Unlike the cold roof (ceiling level) insulation technique, the roof space is warm, protecting the structure from condensation and thermal stresses as well as all services from freezing. The rigid closed cell structure panels have a low thermal conductivity (0.025 W/mK). They are easy to handle and install to provide insulation that lasts the life of the building.

### ROOFMATE LG

The experts' solution for lightweight flat roof insulation. Roofmate\* LG is a specially designed floor insulation material with high compressive strength (200-700 kN/m²), minimising long-term creep. High insulation values (0.026 to 0.028 W/mK) give you the thinnest possible insulation layer. Roofmate comes in three grades of compressive strength and thermal conductivity so you can choose the right insulation for any floor construction. The boards are tough, rigid, moisture resistant and non-degradable. Once installed, they perform to specification long-term, even under ground bearing floor slab.

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The experts' solution for cavity wall insulation. Cavity wall problems are difficult and costly to correct once the insulation is installed. But new Wallmate\* CW boards fit together permanently with shiplap edges and are held flush to the masonry, maintaining a free cavity. Wallmate CW is tough. It stands up to rough handling on-site. Yet, it is easy to cut and fit around doors and windows. Used with medium density block work, a 25mm thick insulation board gives a U-value of 0.8 W/m²K.

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### PERIMATE DI

The experts' solution for basement insulation. New Perimate\* DI provides a highly effective long-term insulation and drainage system in a single product. Vertical channels on the exterior side form the drainage system which has a resilient filter fabric to prevent blockage. Perimate DI has negligible water pick up and retains its high insulation values long-term. It is also resistant to soil acids, rotting and freeze/thaw cycles. The boards are fixed, in one easy operation, to the exterior of the underground structure. Backfilling can then be done with normal soil, without the need for gravel as drainage.

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## New products

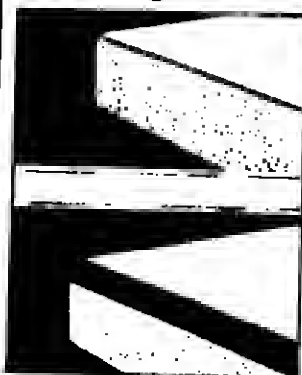
## Waste kit



CONSTRUCTED using durable plastic components, the new Plumbing Out Waste Kit from Plum-In Trade is suitable for connecting an appliance drain hose to an existing 1.25in or 1.5in waste pipe. A tool for cutting into the waste pipe is included in the kit. Other parts included are an integral anti-siphon valve to prevent back-siphoning of water in appliances and a set of easy-to-follow instructions.

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## Striking worktops



AVAILABLE through a national network of recommended fabricators, Formica's new Colorec worktops make imaginative use of its through-colour laminate of the same name. Virtually custom-built, these worktops are initially launched in a range of edge details, which show off the possibilities of the laminate. These include square and rounded edges, a pinstriped effect and two hardwood edgings, one rounded and one chamfered.

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## ALL-WEATHER ROOF

SIMPLE fixing, no maintenance and superior ventilation — these are the three benefits claimed for the all-weather dry roofing systems recently launched by Taretile, the one-year-old concrete roof tile manufacturer which is now up and running and presenting real competition for its established rivals.

Consisting of two elements, the Dry Ventilated ridge and the Dry Covered verge system, Taretile's all-weather roofing methods eliminate the use of mortar or wet trades from the pitched roof. Fixing complies with BS 5534: Part

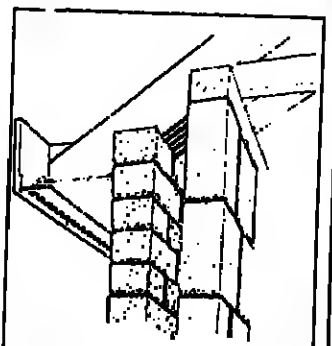
1: 1978 and is completely mechanical, both with regard to the ridge and the verge, and a combination of covered verge and the block end of the ventilated ridge, adds considerably to the visual appeal of the gable.

Both systems are designed for use with Taretile's Solid Roll and Double Pantile profiles and the covered verge tiles are supplied in pairs (left- and right-handed).

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## Eaves vents

DESIGNED to be highly durable, the Westbrick Plastics Eaves Vent is made from high quality upvc with ventilation voids equivalent to a continuous 10mm gap. There is a strong upvc coated glass fibre mesh over the ventilation gaps to exclude birds and insects. The continuous unit is designed to hold and support soffit boards from 6mm to 10mm thick within its integral spring clip. The eaves vent complies with Building Regs and NHBC requirements.



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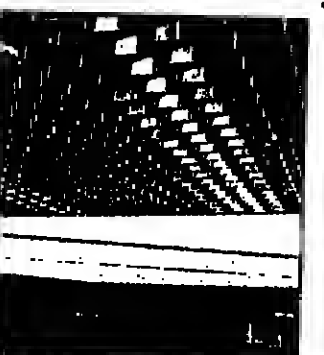
## Joint sealant

NISSEN's Tenoarm vapour barrier is a fully guaranteed vapour barrier of considerable quality. Now Nissen has introduced Tenoarm for use with Tenoarm. Unlike most jointing tapes, Tenoarm is egg-resistant and, provided it is used with Tenoarm, is covered by the same building lifetime guarantee as the vapour barrier. Supplied in cartridge form, Tenoarm is faster and easier to use than tapes, or than forming welded or multi-fold joints.



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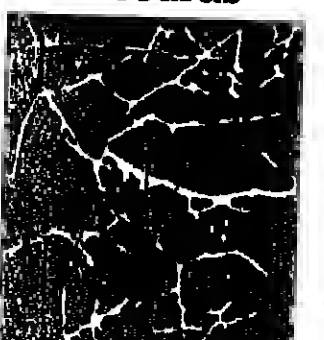
## Open cell ceiling



MADE up of individual cells each 92mm deep, the new Formalux Contour aluminium open cell ceiling has just been introduced by Formwood. Two shapes of cell are available — square with rounded corners (Contour 4) and hexagonal (Contour 6). They can be stepped or slatted to a depth of 13 cells. Cells are made of 0.3mm aluminium with rolled rims. These are clipped together into four-cell square units.

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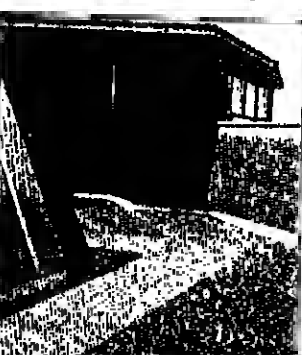
## Safe boards



NDVOLAM Securite, a fire retardant melamine-faced chipboard, distributed by Rex Bousfield, is available in a new range of colours. Plain shades, co-ordinated patterns and high definition woodgrains are available in this Class 1 and Class 0 board (to BS 476 Parts 6 and 7). Its chipboard core has been treated with fire retardant salts. Available in 8, 12, 16, 19 and 22mm thicknesses, Novolam Securite boards are 3,050mm x 1,850mm.

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## Flat roof tiles



ETERNIT 2000 Terrace tiles from Eternit TAC are intended to protect built-up felt or asphalt flat roof coverings from foot traffic or solar gain. Light grey in appearance, anti-slip and non-combustible, these new tiles are vermin and rot proof and unaffected by frost. They are 300mm square and 11 tiles cover a square metre. In addition these fibre cement tiles are lightweight, durable and require minimal maintenance.

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## Folding door

ESAVIAN Metal Doors is a company which specialises in the truly huge door, for aircraft hangars and similar locations. It has also been successfully marketing its Type 128 aluminium folding door for openings up to 5.3m high for some time. This type of door allows a number of problems to be overcome using basically one type of door. Now the company has introduced an economy version of this door — the Type 128E. This is constructed in galvanized steel, insulated and is for use where cost effectiveness is paramount.

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## Access covers

ELKINGTON Cubic is an innovative way, introduced by Dover Engineering, of covering openings in paved areas in a non-obtrusive fashion. These recessed covers and frames are fabricated in steel and can be filled with block paving to give the appearance of continuous paving. All frames have a single seal, but independent double sealing is achieved using a neoprene or airtight gasket. Covers are available in light, medium or heavy duty versions.

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## Anti-slip floor

CONGRIP 2000 is a tough, easy-to-clean, anti-slip flooring, comprising a graded mixture of hard aggregates bound by a powerful epoxy resin and applied in a nominal 2mm thickness to concrete, steel, wood or tile floors. Conren Chemicals produces the material and offers a supporting contracting service. Congrip is hygienic, resistant to most oils, chemicals, solvents etc. and when applied with a vacuum grit blast pre-treatment, can be trafficked within 36 hours.

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## Dateline

Items for consideration must be received 10 days prior to publication

## This week

Today Rafael Moneo talks about his own work in the last of the series of lectures on Spanish Architecture organised by the Architectural Association. Venue: Architectural Association, 25 Bedford Square, London W1. Details: 01-636 0974.

Today BBC2 screened Home: the Semi-detached. Details: Sue Lyness: 01-580 4468 ext 2620/4630.

Today and tomorrow Working in a partnership, a conference organised by Art & Architecture Ltd. Venue: RIBA, 66 Portland Place, London W1. Details: Peter Rawatone, (034 282) 748.

Spursday The history of photography, study day organised by the Victoria & Albert Museum. Venue: Victoria & Albert Museum, London SW7. 11am-5pm. Cost: £1. Details: 01-589 6371.

Spursday Mid-century embroidery the first of a Saturday morning course until July organised by the Victoria & Albert Museum. Venue: Victoria & Albert Museum, London SW7. 11am-1pm. Cost: £2. Details: 01-589 6371.

Monday Speed and economics of construction: the concrete case, evening organised by the Cement & Concrete Association. Venue: Fulmer Grange Conference Centre, Fulmer, Slough. Details: Carole Reardon, (028 16) 212.

Monday-Wednesday 5th International symposium on concrete roads, organised by Cemureau.

Venue: Congress Centre, Aachen, Federal Republic of Germany. Details: Cemureau, 2 Rue Saint Charles, F-75740 Paris Cedex, 15 France. Telex: 250630 Cemureau.

Monday Claims and their successful negotiation a one-day seminar organised by Wynton Services Ltd. Venue: Royal Scot Hotel, Glasgow Road, Edinburgh. Cost: £85 plus VAT. Details: Carol Vyse, Wynton Services, 74 Great King Street, Edinburgh EH3 6QU (031 558) 1686.

Monday to Friday Management and professional development for planners, workshop organised by the School for Advanced Urban Studies, University of Bristol. Details: Courses Secretary, Advanced Urban Studies, Rodney Lodge, Grange Road, Bristol BS8 4EA. (0272) 741 117.

Tuesday Tour of Iwerston Castle and grounds, Dorsetshire, and AGM organised by the East Midlands Landscape Group. Details: Phil Reeh (05097) 2772.

Tuesday Mies van der Rohe: a centennial appraisal lecture by Professor Franz Schulze. Venue: RIBA, 66 Portland Place, London, W1. Cost: £1 to members and students, £2 to visitors. Details: Hilary King, 01-580 5533.

Tuesday Street design, seminar organised by Local Government News. Venue: Birmingham. Details: Local Government News, PO Box 13, Hereford House, Bridge Path, Croydon CR9 4NL.

Wednesday Development funding: getting the money a one-day conference organised by the Midlands Study Centre. Venue: RIBA, 66 Portland Place, London W1.



June 11-August 10 Oskar Kokoschka 1886-1980 an exhibition organised by the Tate Gallery. Venue: Tate Gallery, Millbank, London SW1P 4QJ. Cost: £2.50, £1 to students, pensioners, disabled and U40 holders. Details: Tate Gallery 01-821 1313.

Cost: £100 for centre subscribers, £110 for others. Details: The Midlands Study Centre, 9 Westbourne Road, Edgbaston, Birmingham B15 3TN (021) 454 2008.

Wednesday Quantification of building claims, seminar organised by Legal Studies and Services Ltd. Venue: London Press Centre, Shoe Lane, London EC4A 9em-5.30pm. Cost: £160 plus VAT.

Details: Jacques Bausch or Majella Dennehy, 01-236 4080.

Friday Protecting our environment: an assessment of the impact of development on the environment, a one-day symposium organised by The Landscape Institute, Northern Ireland. Venue: Drumkeen Hotel, Northern Ireland. Cost: £25. Details: John McIntyre, Northern Ireland Housing Executive, Landscape Group, Carlton House, Shaftesbury Square, Belfast. (0232) 221277.

Thursday The development of London Docklands, visit organised by the Design & Industries Association. Venue: Deputies from Tower Hill or Canary Wharf. 5.30pm-8.15pm. Cost: £10.50 for DIA members and their guests, £12.50 for non-members. Details: DIA, 01-950 4925.

## Exhibitions

June 3-June 6 Exhibition of the proposals by James Stirling, Michael Wilford &

Associates for the development of No 1 Poultry. Venue: Former Aldermen's Courtroom, Guildhall, London. EC2. Details: George Gibbs, 01-799 9811.

June 3-July 12 Annual exhibition organised by the Society of Artists in Architecture. Venue: RIBA, 66 Portland Place, London W1. Mon to Fri: 10am to 6pm, Sat: 10am to 1.30pm. Details: Artists in Architecture, 01-637 5300.

June 5-28 The mission of the architect: to build for the people, an exhibition organised by the Polytechnic of Central London in association with the Society for Cultural Relations with the USSR. Venue: The Marylebone Road Gallery, The Polytechnic of Central London, 35 Marylebone Road, London, NW1. Details: 01-580 2020.

Until June 5 David Pye: Wood an exhibition organised by the Crafts Council shop at the Victoria & Albert Museum. Venue: Crafts Council Shop, Victoria & Albert Museum, South Kensington, London SW7. Details: 01-930 4811.

June 6-July 28 Feeling through form an exhibition of eight contemporary British sculptors. Venue: Sculpture Court, Barbican Centre, London EC2Y 8DS. Cost: Admission is free. Details: Valerie Fox, 01-340 3007.

Until July 3 New design for old, exhibition. Venue: Boilerhouse, Victoria & Albert Museum, London SW7. Weekdays and Saturdays 10am-5.30pm, Sundays 2.30-5.30pm, closed Fridays. Cost: Free to the Boilerhouse. Details: 01-581 5273.

Until July 20 The complete Cecil Beaton at the Barbican an exhibition organised by the Barbican Art Gallery. Venue: Barbican Art Gallery, Level 8, London EC2. Details: Christopher Senior, 01-638 5403.

Until June 20 Thames V, Informing the Object, an exhibition of the work by the students of Diploma Unit One, Architectural Association. Venue: Architectural Association, 36 Bedford Square, London WC1. Details: 01-636 0974.

Until June 21 The Story of the Bow, an exhibition. Venue: The Avoncroft Museum of Buildings, Stoke Heath, Bromsgrove, Worcestershire B60 4JR. Details: (05271) 313 63.

June 28-July 20 City: Two views, exhibition of the work of London-based artists Oliver Bawn and Ron Bowen as part of the City of London Festival. Venue: Concourse Gallery at the Barbican, London EC2. Details: Christopher Senior, 01-638 5403.

## Subscription details

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The requirements to avoid Roman Point type collapse have been extended. Engineers are still trying to work out the implications for wide-span public buildings. Building designers converting four storeys to five storeys are being caught out. Henry finds the AD is little help, more can be gleaned from other sources.

## "THE EASIRECS" No 31

# A3 Disproportionate collapse

BY HENRY HAVERSTOCK

Tel: 01-267 7576 with comments or criticisms

## REQUIREMENT

A3 The building shall be so constructed that in the event of an accident the structure will not be damaged to an extent disproportionate to the cause of the damage.

This requirement applies only to:

- a) a building having five or more storeys (each basement level being counted as one storey);
- b) a public building, the structure of which incorporates a clear span exceeding 9 metres between supports.

The point that catches many designers is that A3 applies to material changes to existing buildings and to new material changes of use (see the manual to the Regs 2(2)(c) and 6(1)(b) on pages 30 and 22). So if an extra storey is added to a four-storey building or a five-storey (or more) building is to be used in a way that is not exempted from the requirements of the Regs, where previously it was exempted, then A3 applies to the whole building — unless the local authority will grant a dispensation (see Easirecs, March 21).

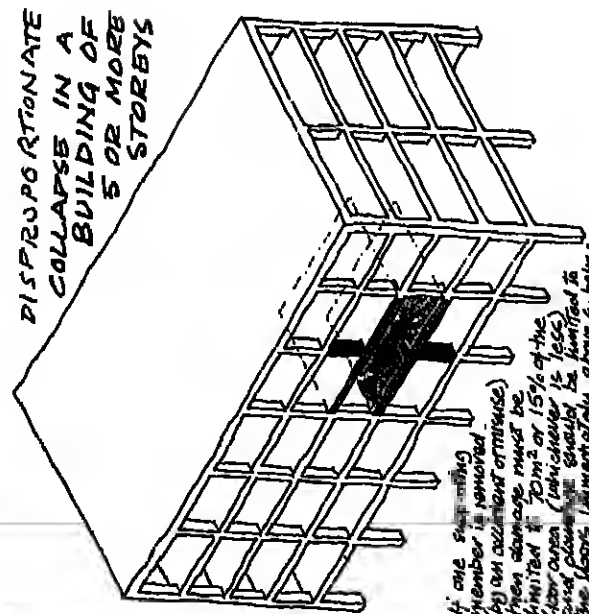
## APPROVED DOCUMENT

This is a one pager in the AD. It simply refers you to the structural design codes (BS 8110 pt 1 and 2 for concrete BS 5950 pt 1 for steel and BS 5268 pt 1 for masonry). The basic design criteria are listed but without more explanation you could be forgiven for finding the whole thing a bit of a mystery.

The AD talks about misuse or accident, presumably to cover deliberate misuse. The BSs don't refer to misuse or disproportionate collapse — they call it "accidental damage" (and it is used to be called progressive collapse). The AD makes it clear (under the steel reference) that the sort of accident or misuse that has to be considered is an explosion or an impact that imposes a load of less than 34kN/m<sup>2</sup> on supporting members. If the supporting members can stand up to this load (from any direction) then they must not be used to support an area of 15 per cent of the storey of 10sqm (whichever is the least) and if they do collapse the damage caused must not extend beyond the immediate adjacent storeys.

## BRITISH STANDARDS

The three structural codes referred to are written for engineers — appropriately qualified and experienced



persons" as it says in the foreword). They are hard for the non-engineer to follow. Henry attempts an explanation that leaves out the figures and formulae so that non-engineers will have some idea of what they are in for — but an engineer will be needed to provide the calculations that the local authority is likely to require.

In steel and concrete structures the requirements are fairly easy to deal with. Some members and joints between members may need strengthening — things for cladding may need to be less strong to allow the cladding to blow out (or in) without damaging the supporting frame. Precast floors may need extra tying in and topping to prevent them being dislodged by upward or downward forces.

For masonry the code offers three options:  
1. The one bit at a time option. In this, it is assumed that only one structural member (wall, beam, column, floor, roof) is removed by any one accident. In this case, apart from the immediately adjacent structure, the rest of the structure has to be able to stand up after removal of the structural member. This option involves checking out each member in turn and seeing the effect of removal. The AD says that not more than 10sqm or 15 per cent of floor area, whichever is less, should be affected. In

practice it is usually necessary to design part of the structure as a "protected element" that will not be affected by an accidental damage causing loadings of up to 34kN/m<sup>2</sup>. The BSs talk about key protected elements. In a brick structure these could be walls carrying high axial loads of well buttressed sections of wall capable of resisting lateral forces from any direction.

2. The horizontal tying option. In this, horizontal ties are introduced either around the perimeter or across the building and then the vertical structural members (and beams) are checked one at a time to see whether they can be removed without causing disproportionate collapse or whether they must be designed as protected elements that could resist an explosion (for example). The purpose of the tie is to fit the top and bottom of the vertical walls so that the accidental damage does not leave tall (two or three storey vertical elements) that would buckle and collapse as well.

3. Horizontal and vertical tying option. In this, horizontal and vertical tying are both introduced which, in effect, turns the vertical members into key protected members, so there is then no need to go through the checking of what happens when any one part of the structure is removed. In masonry these ties can be reinforced concrete or tubular steel or transverse cables which give the masonry enough pre-load to make it resistant to lateral forces.

## WIDE SPANS

The requirement says the building must be constructed to avoid disproportionate collapse if it is a "public building" with a clear span exceeding 9m. Public building is defined in the manual (2(2)(c) on page 18). Basically it is a theatre, school, college, or place of worship. What sort of collapse would be considered disproportionate? It is not made clear in any of the authoritative references that Henry has seen. The collapse of any multi-span and column after an explosion could be considered disproportionate. Most of these structural members could not possibly resist considering any action inside the building. There is argument about the relevance of the paragraph in the steel code (2.4.5.3) that only allows designers to ignore lightweight roof cladding "weighing not more than 0.7kN/m<sup>2</sup>". Spaces frames with lightweight covering seem to offer a good solution as they offer little resistance to forces from different directions and are not likely to be damaged disproportionately.

## EXISTING BUILDINGS

It is not yet clear to Henry to what extent local authorities will insist on strengthening existing buildings to deal with this requirement. Theoretically, even if another storey is not proposed, very minor internal alterations to a five-storey building might adversely affect the existing building in relation to the requirements contained in Part A because removing walls might, for example, reduce the buttressing walls. In practice, A3 will probably only be used for very extensive structural alterations or additions to the number of storeys.

## POINTS TO NOTE

Reduced loadings. When considering accidental loadings on structural members, only a maximum imposed load has to be considered as acting at the same time as the accidental load. (Unless the building

# APPOINTMENTS

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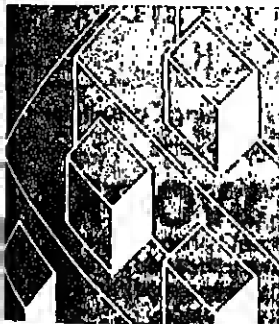


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Apply with CV to:  
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London WC1N 3QL

**SWINHOE MEASURES PARTNERSHIP**  
West London practice urgently require  
**EXPERIENCED PROJECT  
ARCHITECTS & TECHNICIANS**  
Salary by negotiation.  
Reply in writing with CV or by telephone to:  
Miss Tatham  
933 Walmer Rd  
Holland Park, London W11 4EY  
Tel: 01-221 7038

**WHIZZ KID ARCHITECT**  
wanted by the Bristol Office of  
**HUBBARD FORD PARTNERSHIP**  
We have a number of interesting and varied projects which  
require a talented input.  
If you want to spread your wings in the West Country apply  
with CV (illustrated if possible) to:  
Roger Wilson  
Hubbard Ford Partnership  
3/8 Redcliffe Parade West  
Bristol  
BS1 6SD

**ARCHITECTS & TECHNICIANS**  
We need 3 more qualified Architects, one with at least  
5 years experience and two with about 3 years  
experience. They should have substantial design flair  
with practical ability to translate their ideas into  
working drawings together with enthusiasm and  
commitment to see the project through to  
completion. We also need reliable and experienced  
technicians with at least 3 years experience. All these  
positions offer long term employment on some of the  
most exciting commissions in the South of England  
which include Science & Business Parks, major office  
complexes, housing and marina developments.  
Our award-winning offices are in a converted group  
of buildings on the outskirts of Fareham and only a few  
miles from the sea.  
Please write enclosing a few examples of your best  
work to:  
**Hedley Greenlee Partnership**  
Furze Hall Farm  
Wickham Rd  
Fareham, Hampshire PO16 7JH

**ARCHITECTURAL/  
INTERIOR DESIGN  
ASSISTANT**  
Neg. £10-£15,000 P.A.  
Based in the London Head Office of this successful Design and  
Construction Management company you will be working under  
pressure to produce information quickly and accurately with the  
minimum of supervision. Reporting initially to the Design Drawing  
Office Manager you will be responsible for both preliminary design  
and production drawings involving small, medium and large  
commercial projects mainly in the field of high quality  
refurbishment and fitting out.

The successful candidate will be an experienced draughtsman  
combining a practical approach with good design. Relevant  
qualifications and experience of CAD will be an advantage but not  
essential.

You will be complementing the skills of a small design team working  
together in a stimulating and rewarding environment on a range of  
interesting and varied projects. The Company is growing and you  
can therefore expect early increased responsibility and career  
progression.

Candidates should write in strictest confidence providing full  
career details and home telephone number to:  
Roger Lilley  
Christopher Little Consultants Ltd  
49 Queen Victoria Street  
London EC4N 4SA  
Tel: 01-236 3881 Telex: 883968 HEADS G

**ARCHITECTS & TECHNICIANS**  
Following a number of recent successful completions, opportunities exist in  
taking them through all stages to completion.  
We are also looking for Project Architects and Technicians with post qualification  
experience, able to demonstrate design appreciation and sound technical knowledge.  
We would also welcome applications from newly qualified students for certain  
positions.  
Write with CV to:—  
Mr J Bishop  
Eric Ashwell & Partners  
245 Watling Street  
Radlett  
Herts WD7 7AL

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taking them through all stages to



# PUBLIC SECTOR APPOINTMENTS



## ARCHITECT'S DEPARTMENT PROJECT ARCHITECT

Salary Grade: 6.0.2 — £10,950 to £11,804 per annum

The Authority has one of the largest building programmes in the Principality, primarily in special needs housing, leisure and public buildings. The Department provides a comprehensive architectural and quantity surveying service to all committees of the Council. The Architectural Department is a multi-disciplinary team, with a wide range of experience in the design and production of buildings. The Architectural Department is a multi-disciplinary team, with a wide range of experience in the design and production of buildings. The Architectural Department is a multi-disciplinary team, with a wide range of experience in the design and production of buildings.

## DEPARTMENT OF DEVELOPMENT CONSTRUCTION DIVISION

### Architectural Assistant Scale 6(2 Posts)

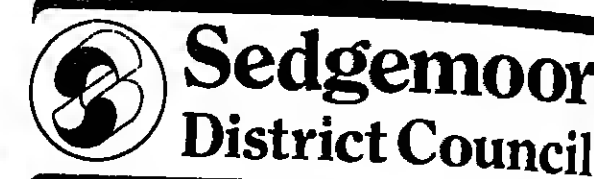
Salary £8,979-£9,591 p.a.  
plus £1,138 L.W. and supplements

The Construction Division of Brent Development is a multi-disciplinary design office which handles a large and varied programme of projects both for the Council and for other organisations. As an ambitious and developing professional office we are seeking to strengthen our design resources through the appointment of new architectural staff.

Applicants must be qualified to RIBA/RICS Part I or five years practical experience are now required to play a full part in the Division's activities. Candidates must be able to demonstrate the ability to run small projects or to contribute as part of a team on larger jobs and an understanding of works in occupied property.

Application forms and job descriptions from the Personnel Division Room 1, Brent Town Hall Annex, Kings Drive, Wembley, Middlesex HA9 9BR returnable 20th June 1986, telephone 01-903 0371/24 hour Arseana service. Reference number D/88 must be quoted.

London Borough of **BRENT**



## TECHNICAL SERVICES DEPARTMENT SENIOR ARCHITECT

SO1/2 £9,975-£11,604

An experienced architect, aged under 40, is required by a progressive computer-oriented local authority practice, providing a comprehensive range of services. In addition to project work, there is scope to develop management skills by assisting in the monitoring of all projects and the control of staff.

Housing accommodation may be available in appropriate cases and the cost of removal of furniture and effects will be reimbursed in full.

Sedgemoor District covers 140,000 acres of coastal and rural Somerset, lying between the Mendips and Quantock Hills. Population 91,400.

Application forms and further particulars available from the Personnel and Management Services Officer, Town Hall, Bridgwater, Somerset, (telephone Bridgwater 424391). Closing date: Monday, 16th June, 1986.

SEDEGMOOR IS AN ECONOMIC DEVELOPMENT AUTHORITY

## LONDON BOROUGH OF ISLINGTON ARCHITECTURAL DEPARTMENT

RE-ADVERTISEMENT

Islington, through the Architectural Department, has a tradition of high quality community architecture in its major estate action programme which is expected to continue until 1989. This involves work to both occupied and unoccupied dwellings to improve the general level of facilities and space standards of them, the surrounding environment and estate security by sensitive design and landscaping.

### Senior Architect or Surveyor

Grade PO3: £14,202 to £15,342  
Ref: AR25

Required to join a team responsible for rehabilitation projects in this programme, together with Estate Improvement and security projects. The person will be responsible to a Principal Surveyor for all aspects of job running from feasibility to final account.

Applicants must have a minimum of 5 years post RIBA or RICS qualification experience or 12 years direct experience and preferably have experience in housing rehabilitation and been responsible for all aspects of a complex project.

The postholder will run at least one complex project or several simpler projects and head a small team of up to three assistants. The person may be required to assist with the training of staff directed to his/her projects, and should have the ability to supervise within the context of the Council's Equal Opportunities Employment Policy.

The successful candidate should have the ability to produce design and construction information, including reports, show responsibility for all aspects of job running from feasibility to final account, and be able to communicate clearly and effectively both verbally and in writing with other members of the design team, contractors and tenants. Applicants should have a knowledge of building construction, specification writing, building contracts and the appropriate legislation.

In addition, applicants for the post should be able to carry out general surveys, carry out feasibility studies, and have clear and accurate drawing and design skills. They should also be able to demonstrate ability in contract and project management, and be prepared to attend occasional evening meetings.

This job is open to full-timers and those wishing to jobshare on a half-time basis.

Application forms are available from: The Borough Architect, 222 Upper Street, London N1 2UH. Tel: 01-354 7240. Closing date: 13th June, 1986.

Our jobs are open to all races, both sexes, lesbians and gay men, and we have a positive attitude towards the employment of disabled people.

## CASTLE POINT DISTRICT COUNCIL DEPARTMENT OF THE CHIEF TECHNICAL OFFICER CAPITAL WORKS ARCHITECT — POST T66

Scale P.O. 1/4 — £11,280-£12,168 p.a.  
plus casual user car allowance

Applications are invited from suitably qualified and experienced persons for the above post which is located in the Council Offices, Cayney Island.

The person appointed will be required to assist the Head of the Architectural Division to plan and implement the Council's Capital Works programme, which includes Housing, Recreation and other maintenance function of public buildings (excluding housing).

Application forms and further details may be obtained from the Chief Technical Officer, Council Offices, Long Road, Cayney Island, Essex SS8 0JY, telephone No. Cayney Island (0568) 68181 Ext. 13 and must be returned to the undersigned by 24th June 1986.

A.R. Neighbour  
Chief Executive and Clerk of the Council  
Council Offices  
Kiln Road, Thundersley  
Benfleet, Essex SS7 1TF

# PUBLIC SECTOR APPOINTMENTS

## Welwyn Hatfield District Council Services Department

### TECHNICAL (BUILDING) DIVISION

The Council intends to improve and maintain its considerable stock of Council Houses (15,000) and Public Buildings (Offices, Leisure and Shops). We are looking for applications from individuals with enthusiasm and ability and we are flexible enough to accommodate the particular needs for further career training.

We are seeking:-  
Senior Building Surveyors (up to £12,280)  
Senior Services Engineers (up to £11,280)  
Contracts Supervisor (Painting) (up to £11,280)  
Building Surveyors, Services, Engineers  
& Maintenance Surveyors (up to £10,200)  
Building Technicians (up to £8,240)  
Clerk of Works (up to £10,200)

In addition we offer:-  
Consideration of Housing Needs  
Relocation package up to £3,125  
Free Life Assurance (2 x annual salary)  
Car Allowance with loan facilities  
Further training including day release

If you are pursuing a career in Building, it must be worth letting us know your background so that we can see if your needs and the Council's can be jointly satisfied.

If you wish to have an informal discussion regarding any of these posts, please contact Neville Lee, Assistant Chief Technical Officer (Building), on Hatfield 63555 ext. 244.

Applications by letter giving full particulars to Assistant Chief Technical Officer, Welwyn Road Offices, Welwyn Road, Hatfield, Herts.  
Closing Date: Friday, 20th June 1986.

## TECHNICAL OFFICER

SO1 £11,955-£12,597 inclusive

The Comprehensive Housing Service aims to improve its service to the local community by developing close links with Tenants' Association and Resident groups, the Stoke Newington District Housing Office is one of 6 in the Borough and divided into 4 areas, each served by a local housing office.

You will provide essential technical advice to Estate Management staff based in the 4 area offices, and also liaise with the District Labour Organisation to ensure that day to day repairs are carried out efficiently and promptly. Other duties include assisting in the preparation of specifications and estimates for major repairs and minor improvement works to Council dwellings and estates, assisting in the training of estate management staff in technical matters and carrying out surveys of Council dwellings.

The post would provide good practical experience of working in Council housing for people recently qualified or who are in the process of studying for a recognised qualification in Building Construction or Building Technology.

You will combine a sound technical knowledge together with the ability to communicate effectively with members of the public and non-technical staff. A sympathetic approach to the public and a commitment to improving housing conditions in a multi-ethnic inner city area are essential.

Job share applications will be welcomed with or without a partner.

Please quote Ref TK876/60.

## Landscape Architectural Assistant

Scale 5/6/501 £9,741-£12,597 p.a. Inc.

To join a lively group, who are dedicated to improving Hackney's environment. A high percentage of schemes involve participation with the local community. The section handles a wide range of projects as well as advising other Council departments and community organisations on landscape matters. You will be involved in assisting in the day to day running of the group.

Clearly you should have Landscape Institute Parts 1 and 2 or 3 years relevant experience.

The Architectural Division particularly welcome applications from people with disabilities, women, lesbians, gay men and ethnic minorities because they are under-represented in the section. Applicants are considered on the basis of their relevant experience, abilities and qualifications.

Job share applications will be welcomed with or without a partner.

Please quote Ref RK881/60.

Application forms are available from John Penney, Head of Personnel Services, Town Hall, Mare Street, E8 1EA or telephone 01-668 6331 (24 hours answering service) quoting reference.

Closing date: 13th June, 1986.

The Council intends to decentralise its services, therefore the duties, hours of work or location of (these) posts may be subject to change.

**HACKNEY COUNCIL**  
Working for local people

## CAMBRIDGESHIRE

### DESIGN OFFICE YEAR OUT OR POST GRADUATE STUDENTS

Salary Range £6,800 to £7,000

If you are a capable designer with a lively interest in Architecture, and believe that your professional development would benefit by contributing for about twelve months to a progressive multi-disciplinary Design Office in the interesting architectural City of Cambridge, you are invited to apply for vacancies with this office.

Application forms and Job Descriptions available from Director of Property, Cambridgeshire County Council, Shire Hall, Castle Hill, Cambridge CB3 0AP or telephone David Ullay on Cambridge 02231 517432.

Closing date for applications — Monday 16th June, 1986.

EQUAL OPPORTUNITY EMPLOYER

## CITY ARCHITECTS DEPARTMENT ARCHITECTS AND ARCHITECTURAL TECHNICIANS

Salary up to £11,604

Up to £11,604 a year and a course in architecture as a social art (permanent and temporary posts).

We need help from Architects and Technicians with building programme spending over £70 million this year, in almost every kind of building — even including Caribbean Houses and a Chinese Garden (the former not yet built).

The City Council is a benevolent employer, supporting extensive training programmes for staff, innovative courses such as building diagnosis, and awareness training in socially related subjects — equal opportunities, design for the disabled etc. — which you don't really learn from books.

The Department has over 500 staff in eight distinct professional branches in the City Centre but with multi-disciplinary teams seconded to areas of need and participation in neighbourhood services already happening.

Use of computers is extensive, expanding and includes training opportunities on a major CAD system.

The Council and the department are determined to improve Manchester for its citizens. That means finding out what people really need, what their hopes and expectations are and using your skills directly in the service of humanity rather than through remote professionalism.

Our is a peaceful revolution to support natural social development and encourage improvement through a council which really delivers its promises.

A five day week at 35 hours in operation under a system of flexible working hours. The Department has an under representation of women, black people, and disabled people and therefore would be particularly interested in receiving applications from these groups.

Please telephone 061-234 4356 for an application form and job description. Closing date 20th June 1986.

The City Council operates a Union Membership Agreement under which a new employee is required to become a member of a recognised trade union.

Manchester City Council is an Equal Opportunity Employer, and we positively welcome applications from women, people with disabilities, ethnic or racial groups, disabled people, and those who are responsible for or support.

**MANCHESTER**  
City Council  
Defending Jobs — Improving Services

## BIRMINGHAM CITY COUNCIL an equal opportunities employer

### ARCHITECT'S DEPARTMENT

The growth of the City Council's Urban Regeneration Programme and a recent strengthening and reorganisation of Urban Renewal Area Teams has created an increase in area based architectural services to cope with the demands for an increased level of service.

The work will be within an extensive programme on a variety of projects dealing with envelope, environment and other community orientated schemes. It will involve operating in a locally based team structure and the successful candidates must be committed to operating in a flexible, rapidly changing environment to cope with the needs of inner city improvement. These jobs are likely to appeal to those who have a particular interest in community architecture.

**Area Team Architects**  
£11,280-£14,693

To have specific responsibility for a group of staff based at an area team office. Main duties include the provision of architectural services to that part of the Urban Regeneration Programme managed by the Area Team.

**Architects**  
£11,280-£15,683

Required to assist the Area Team Architects as outlined above. It is proposed that the majority of the appointed staff will be based at area team offices whilst the remainder will work from a central office on an extensive shopping improvement programme.

**Architectural Assistant/  
Technician (2 jobs)**  
£9,975-£11,604

To assist as required on a variety of work within the Urban Renewal Programme. Candidates should be suitably qualified and appropriate experience would be an advantage.

Removal expenses and Casual Car User Allowance will be paid in appropriate circumstances.

Application forms (returnable by 30th June, 1986) available from Personnel Officer, City Architect's Department, Basilville House, Civic Centre, Broad Street, Birmingham B1 2HE.

## Clerk of Works

Up to £10,284

The Borough Architect requires experienced Clerk of Works to supervise a wide range of building projects, including Major Improvements and Energy Conservation schemes. The successful applicant will be expected to achieve a high level of quality control and ensure contractors meet health and safety requirements.

Applicants must have suitable experience in the construction industry, including supervision of contracts and Membership of the Institute of Clerk of Works will be a distinct advantage.

Benefits include 25 days holiday rising to 31 days after 5 years service. Subsidised staff restaurant. Temporary housing (up to 61 weeks), 100% removal expenses (£600 max), generous relocation costs and lodging allowance — where appropriate needs to move.

Application forms obtainable from the Borough Architect, PO Box 61, Civic Centre, Silver Street, Enfield, Middlesex EN1 3XG. Telephone 01 368 6865, ext 2042. Closing date 13.6.86. Please quote reference GRN/38.

London Borough of **Enfield**

An Equal Opportunity Employer

We have a vacancy in our Design and Construction Unit (West) based in Warrington for an:

## ARCHITECTURAL TECHNICIAN

Salary Scale—£9K—10K p.a.

The successful applicant will be engaged in the design, detailing and supervision of construction of buildings in the Authority's programme of major capital works.

Applicants should hold H.T.C. in building and should preferably be members of S.A.A.T. A high standard of draughtsmanship and building detailing is essential.

This is a permanent and pensionable appointment.

Closing date: 6th June, 1986. The Authority is an equal opportunity employer.

Application forms and further details are available from: Personnel Officer, North West Water, Dawson House, Liverpool Road, Great Sankey, Warrington, WAs 3LW.

Telephone: Penketh (0925 72) 4321 ext. 33806. Previous applicants remain under consideration.

**North West Water**

## Building Manager

£13,578-£14,718

Direct Labour Organisation

The above postholder will be directly responsible to the Chief Building Surveyor for the effective operation of the Council's Direct Labour Force for housing repairs and maintenance on the 22,000 flats and houses in Enfield.

The Building Manager will have responsibility for 118 building trades operatives, working under an incentive bonus scheme, and 7 staff, as well as the efficient management of a joinery workshop, plant and stores and work carried out by the depot based staff.

The Housing Department is seeking an experienced and enthusiastic officer to manage and develop an economic and efficient section. He/she will require a high level of managerial and organisational ability, financial knowledge as well as administrative ability and leadership.

Experience at a senior level in the Building Industry or with a Local Authority Direct Labour Organisation and with managerial experience in maintenance and construction work is desirable.

An appropriate qualification will be necessary, i.e. Member of the Chartered Institute of Building but the right experience with the ability to motivate the workforce in sometimes difficult circumstances is equally important, together with an understanding of the legislation as it affects a Local Authority Direct Labour Organisation.

An essential user car allowance is payable and assistance with relocation expenses and/or temporary housing accommodation will be provided in appropriate cases.

Application form and further details are available from the Senior Administrative Officer, Director of Housing Services Department, Technical Services Division, Carterhatch Lane, Carterhatch Depot, Enfield, EN1 4BJ. Telephone 01-368 6865 extension 2366. Closing date 13.6.86. Please quote reference AS7/628.

London Borough of **Enfield**

An Equal Opportunity Employer

## Haringey making equal Opportunities a reality

### BUILDING DESIGN SERVICE BROADWATER FARM GROUP

Over 40% of Haringey's population is made up of black and minority ethnic people. Afro Caribbean, Asian, Greek, Turkish and Cypriots being the largest groups. Haringey as an Equal Opportunities Employer is committed to racial equality relative to their proportion in the local community.

The black and minority ethnic people are under-represented in some professional and managerial areas. Section 36 of the 1976 Race Relations Act allows an employer to positively encourage people from the under-representative groups (Afro Caribbean, Asian, Turkish and Greek Cypriots) to take advantage of opportunities that arise in these areas.

This Service of approximately 200 staff designs and supervises the construction of all types of buildings from new and rehabilitation houses and flats to leisure centres and schools. The Service is now reorganised into 6 multi-disciplinary area teams and a central support team under a Management Board consisting of the leaders of each of the teams. The Council is committed to equal opportunities, accountability to the local community and the development in this Service of a system of collective responsibility and decision-making (self-management).

The Building Design Service is expanding its services and will be setting up a new team on the Broadwater Farm estate in Tottenham with a view to working closely with residents and other Council services already established on the estate. Members of the team, being professionals in their own field, will be expected to find solutions to technical and design problems of the estate, carry out remedial work and new build projects, including community centres and workshops, keeping in view issues of racism, discrimination and other difficulties experienced by black and minority ethnic people. Group will actively support community built projects on the estate.

Black and minority ethnic people are under-represented in professional and managerial areas of the Service. We would, therefore, particularly welcome applications from these sections of the community for the following posts. Community organisations on the estate will be involved in the selection of applicants.

### Architects & Engineer ARCHITECT — CO-ORDINATOR (1 Post)

PO5 £18,804-£18,867 p.a. Inc.

To co-ordinate the design strategy, defects investigation and building project work on the estate; ensure a co-ordinated approach to the involvement of residents and community organisations in that work; and ensure the effective management of the group within the context of the Mid-Tottenham Area Team. You will be expected to be capable of working as a project architect for the most complex projects and to demonstrate experience in a number of specialist areas.

You will also be expected to act as Group Leader and must be capable of leading a team of approximately 12 technical staff. In addition, you must be capable of dealing with the many complex issues of housing minority groups.

**ARCHITECT — STRATEGY (2 Posts)**  
PO3 to PO4 £13,578-£15,804 p.a. Inc.  
SO1 to PO1 £10,868-£12,861 p.a. Inc.

To investigate and develop options to determine a long-term strategy for the estate. The SO1-PO1 will assist the PO3-PO4 project leader.

**ARCHITECT OR SURVEYOR — DEFECTS (1 Post)**  
PO3-PO4 £13,578-£15,804 p.a. Inc.

You should have considerable experience of building construction and the ability to investigate defects and develop remedies while establishing good working relationships with residents.

**ARCHITECT — PROJECTS (1 Post)**  
PO3 £13,376-£14,718 p.a. Inc.

To undertake responsibility for all but the most complex rehabilitation and new building projects.

**BUILDING SERVICES ENGINEER (1 Post)**  
PO1 to PO3 £11,973-£14,718 p.a. Inc.

To help develop the long term strategy and, in the short term, work on specific new building projects and the maintenance and upgrading of existing district heating and estate lighting.

Working conditions include flexible hours, maternity/paternity leave and help with removal expenses where applicable. The Council encourages all staff to be members of an appropriate trade union. Staff will be appointed to the Building Design Service and may be required to work on projects in other areas of the Borough.

For further information and an informal discussion regarding the above posts, please phone Bob Maltz or John Lee (01-340 3268, exts 282 and 237, respectively) or write to the Management Board, Building Design Service, Hornsey Town Hall, The Broadway, Crouch End, London N8 9JS. Closing Date: 20th June 1986.

**Haringey**

Haringey is an equal opportunity employer. We welcome your application which will be considered on merit, irrespective of race, marital status, sex or any disability you may have.